



Mathematics

Help-Kit

1-5

Drill

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- ◆ Learning Tips
- ◆ Maths Lab Activity
- ◆ Teacher's Tool
- ◆ MCQs



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E-LEARNING
INSTRUCTOR'S HANDBOOK
SOLVABLE QUESTIONNAIRE
LESSON PLANS
EXAM MAKER

1

Pre-Number Concepts

Cross (x) the one who is outside.

Ans.



Circle (O) the one which is inside.

Ans.



Circle (O) all the animals which are outside.

Ans.



Look at these animals and answer the following questions.

Who is above Amy?

Ans. Chiku

Who is below Ballu?

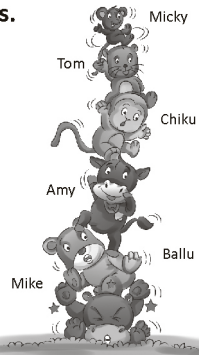
Ans. Mike

Who is above Tom?

Ans. Micky

Who is below Chiku?

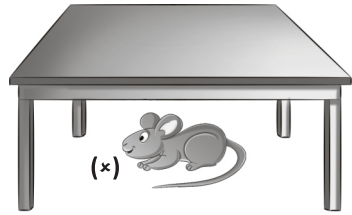
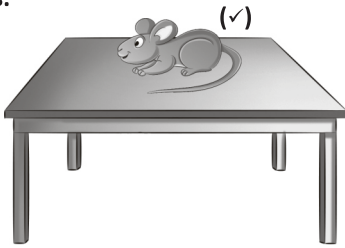
Ans. Amy



2

Tick (✓) the one who is on the table and cross (x) the one who is under it.

Ans.

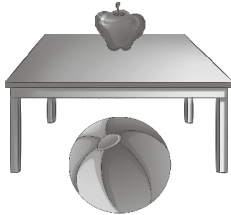


Where is the bird sitting? **On/under** the tree.

Where is the cat? **On/under** the tree.

Tick (✓) the correct option.

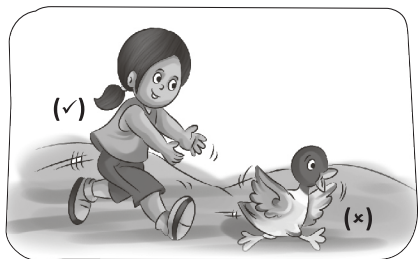
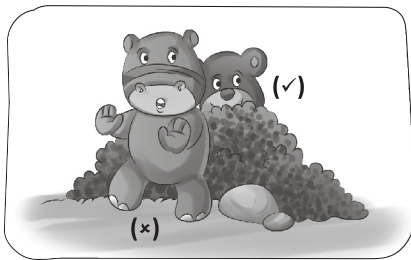
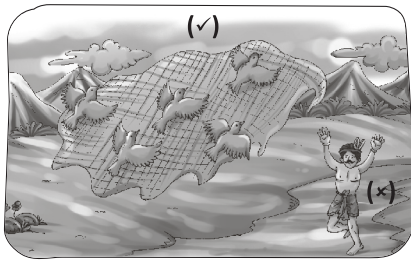
Ans.

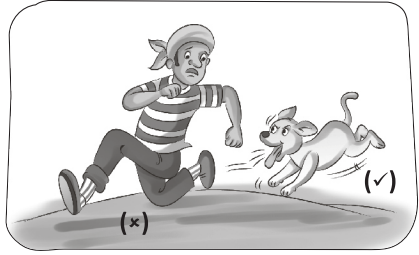


Draw an apple **on** the table and a ball **under** the table.

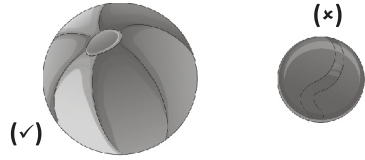
Tick (✓) the one which is behind and cross (x) the one which is in front of.

Ans.

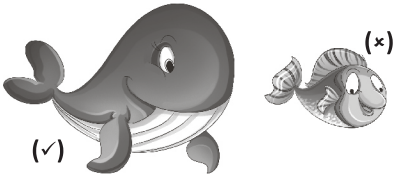




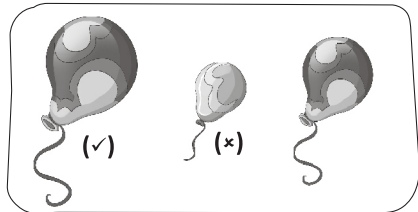
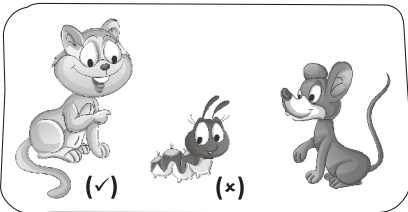
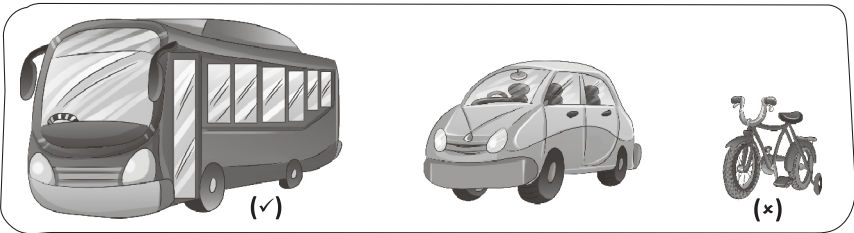
Tick (✓) the big and cross (x) the small.
Ans.



Tick (✓) the bigger and cross (x) the smaller.
Ans.



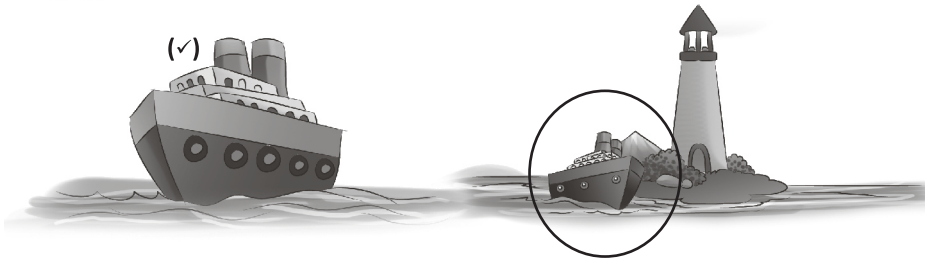
Tick (✓) the biggest and cross (x) the smallest in each box.
Ans.



Tick (✓) the child who is near the finishing line and circle (O) the one who is far.



Tick (✓) the ship which is far from the lighthouse and circle (O) the one which is near it.



Look at the picture and answer.

Ans. Who is standing near the ant?

Rabbit is standing near the ant.

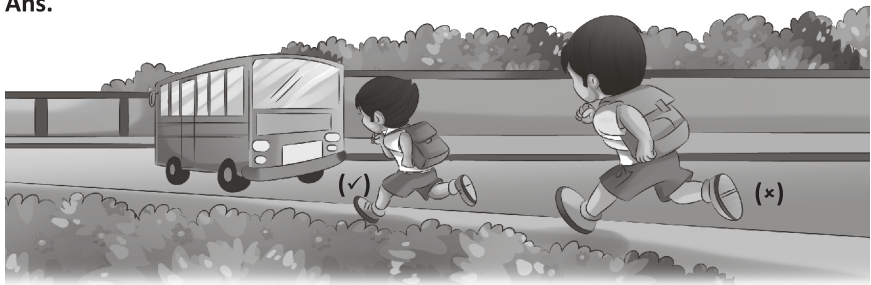
Is rocky standing far from Bunny?

Yes, rocky is standing far from Bunny.



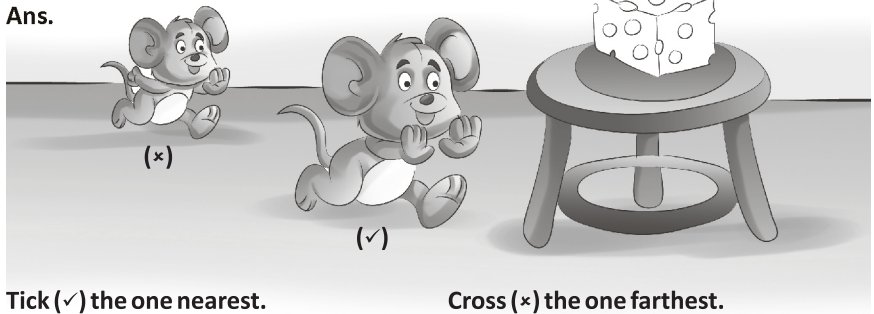
Tick (✓) the child which is nearer to the bus and cross (x) the child farther from the bus.

Ans.



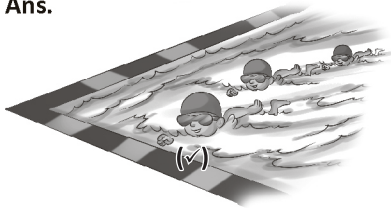
Tick (✓) the mouse nearer to the cheese and cross (✗) the mouse farther from the cheese.

Ans.



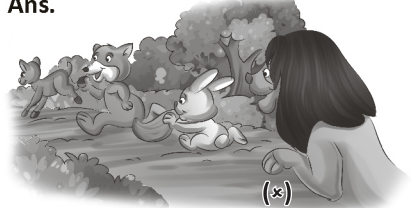
Tick (✓) the one nearest.

Ans.



Cross (✗) the one farthest.

Ans.



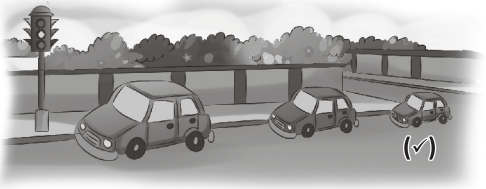
Circle (O) the one nearest.

Ans.



Tick (✓) the one farthest.

Ans.



Cross (✗) the one farthest.

Ans.



Tick (✓) the one nearest.

Ans.



Draw a pebble at the bottom of the jug.

Ans.



Draw a cherry on the top of the cake.

Ans.



Circle (O) the animal which is on the top.

Ans.



2

Numbers and Number Names Up to 10

Count and write the correct number.

Ans.



Count the objects and write the number in words.

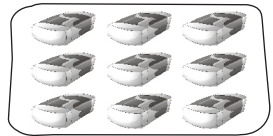
Ans.



Seven



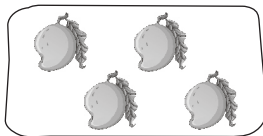
One



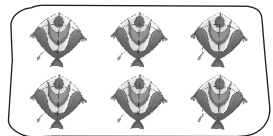
Nine



Two



Four



Six

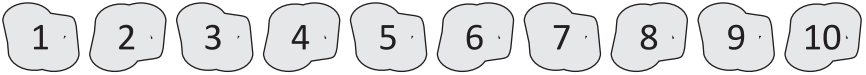
7

Count the number of fingers and write how many.

Ans. Do it yourself.

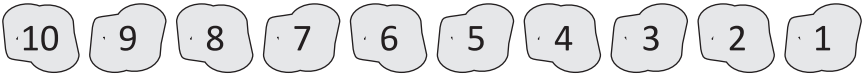
Write the missing numbers in the boxes.

Ans.



Write the missing numbers in the boxes.

Ans.



Count the objects and match with the correct number. One has been done for you.

Ans.

6

3

9

4

2

8

10

5

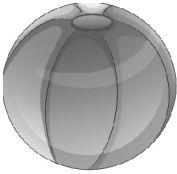
1

7

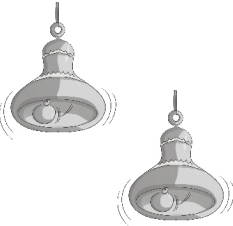
8

Count and colour the correct number.


Ans.



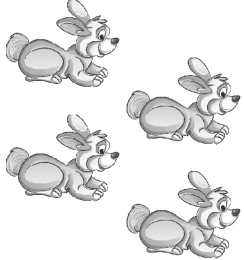
2 1 3




2 1 3



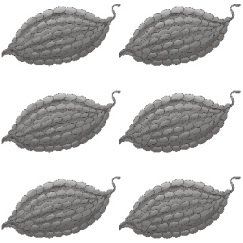
2 1 3



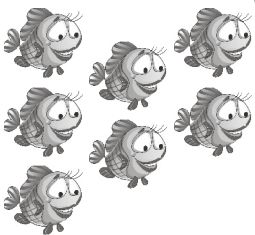
4 1 3



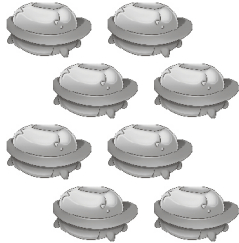
4 5 6



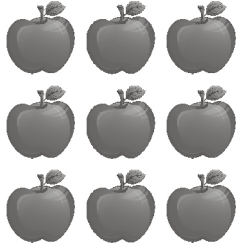
7 5 6



7 4 9



4 8 5



6 5 9



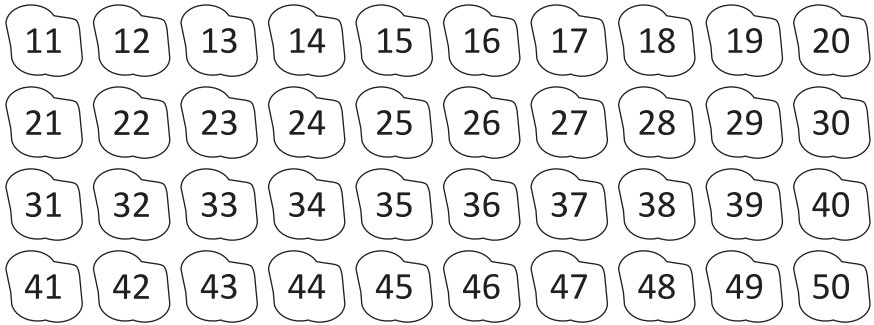
Numbers : 1 to 50

Write 1 to 50:

Ans.

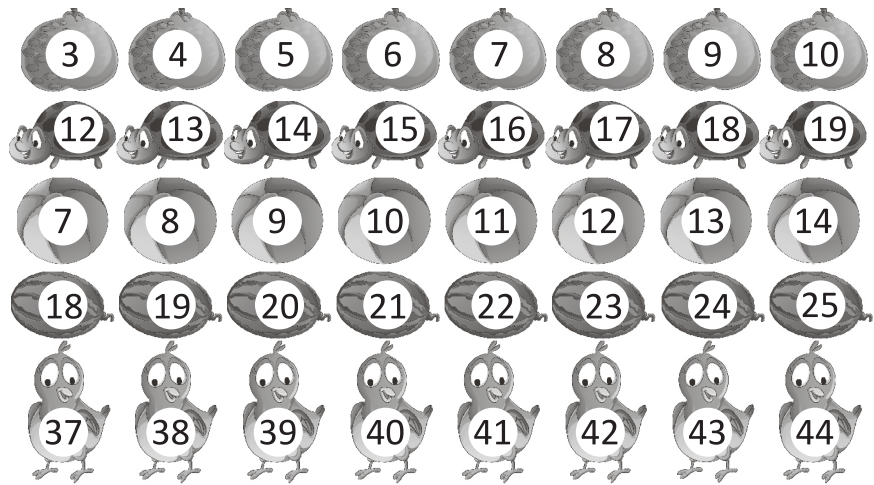
1 2 3 4 5 6 7 8 9 10

9



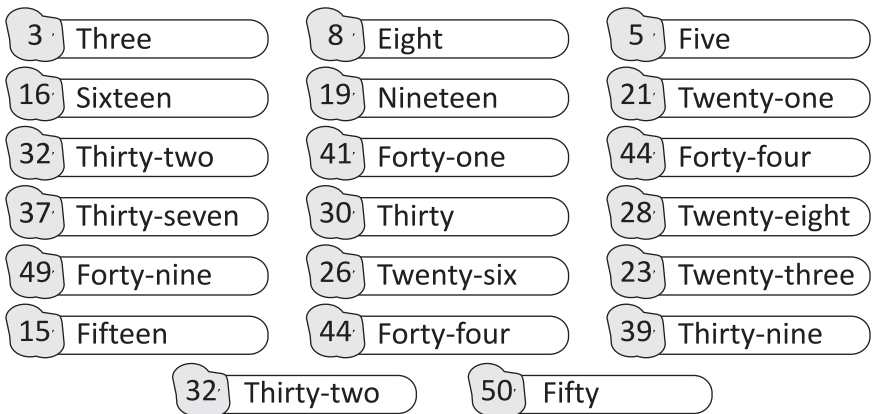
Write the missing numbers :

Ans.



Write the number names :

Ans.



Put the correct sign (<, >, =):

Ans.

61	<	68	30	>	29	31	>	13
34	<	60	44	>	34	100	=	100
40	=	40	59	<	81	74	<	83
72	>	27	40	<	64	68	<	90
40	>	30	80	>	33	52	=	52
63	>	36	38	<	83	10	<	55
47	<	74	55	<	64	80	>	34

What does this mean?

Ans. $3 > 1$ Three is greater than one.

$2 < 5$ Two is less than five.

$9 > 8$ Nine is greater than eight.

$7 = 7$ Seven is equal to seven.

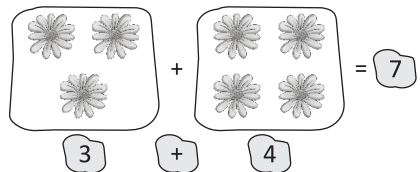
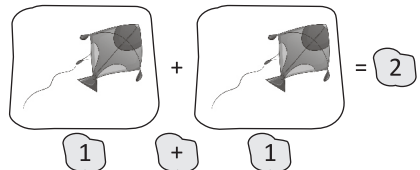
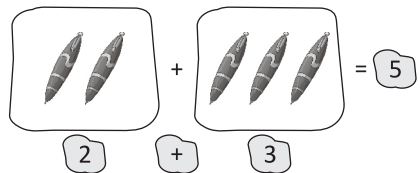
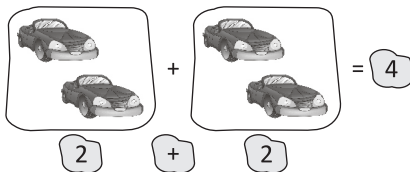
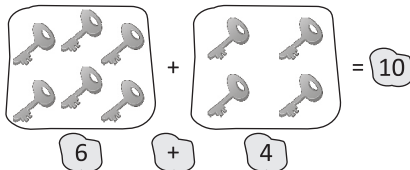
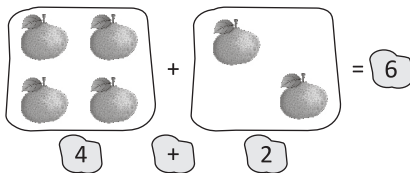
$6 > 3$ Six is greater than three.

4

Addition

Count and write. One is done for you.

Ans.



Now add these.

Ans.

$$5 + 4 = 9 \text{ is same as}$$
$$4 + 5 = 9$$

$$7 + 1 = 8 \text{ is same as}$$
$$1 + 7 = 8$$

$$6 + 1 = 7 \text{ is same as}$$
$$1 + 6 = 7$$

$$5 + 3 = 8 \text{ is same as}$$
$$3 + 5 = 8$$

$$4 + 2 = 6 \text{ is same as}$$
$$2 + 4 = 6$$

Add :

Ans.

$$\begin{array}{r} 5 \text{ |||||} \\ + 1 \text{ |} \\ \hline 6 \text{ |||||} \end{array}$$

$$\begin{array}{r} 7 \text{ |||||} \\ + 2 \text{ ||} \\ \hline 9 \text{ |||||} \end{array}$$

$$\begin{array}{r} 3 \text{ |||} \\ + 3 \text{ |||} \\ \hline 6 \text{ |||||} \end{array}$$

$$\begin{array}{r} 4 \text{ ||||} \\ + 1 \text{ |} \\ \hline 5 \text{ |||||} \end{array}$$

$$\begin{array}{r} 5 \text{ |||||} \\ + 2 \text{ ||} \\ \hline 7 \text{ |||||} \end{array}$$

$$\begin{array}{r} 1 \text{ |} \\ + 2 \text{ ||} \\ \hline 3 \text{ |||} \end{array}$$

$$\begin{array}{r} 6 \text{ |||||} \\ + 2 \text{ ||} \\ \hline 8 \text{ |||||} \end{array}$$

$$\begin{array}{r} 7 \text{ |||||} \\ + 1 \text{ |} \\ \hline 8 \text{ |||||} \end{array}$$

$$\begin{array}{r} 3 \text{ |||} \\ + 2 \text{ ||} \\ \hline 5 \text{ |||||} \end{array}$$

$$\begin{array}{r} 3 \text{ |||} \\ + 4 \text{ ||||} \\ \hline 7 \text{ |||||} \end{array}$$

$$\begin{array}{r} 7 \text{ |||||} \\ + 2 \text{ ||} \\ \hline 9 \text{ |||||} \end{array}$$

$$\begin{array}{r} 4 \text{ ||||} \\ + 4 \text{ ||||} \\ \hline 8 \text{ |||||} \end{array}$$

$$\begin{array}{r} 1 \text{ |} \\ + 1 \text{ |} \\ \hline 2 \text{ ||} \end{array}$$

$$\begin{array}{r} 4 \text{ ||||} \\ + 5 \text{ |||||} \\ \hline 9 \text{ |||||} \end{array}$$

$$\begin{array}{r} 5 \text{ |||||} \\ + 3 \text{ |||} \\ \hline 8 \text{ |||||} \end{array}$$

$$\begin{array}{r} 4 \text{ ||||} \\ + 3 \text{ |||} \\ \hline 7 \text{ |||||} \end{array}$$

Add by counting forward :

Ans.

$$1 + 1 = 2$$

$$2 + 1 = 3$$

$$3 + 1 = 4$$

$$4 + 1 = 5$$

$$5 + 1 = 6$$

$$6 + 1 = 7$$

$$7 + 1 = 8$$

$$8 + 1 = 9$$

$$9 + 1 = 10$$

$$10 + 1 = 11$$

$$11 + 1 = 12$$

$$12 + 1 = 13$$

$$1 + 2 = 3$$

$$2 + 2 = 4$$

$$3 + 2 = 5$$

$$11 + 5 = 16$$

$$5 + 2 = 7$$

$$6 + 2 = 8$$

$$7 + 2 = 9$$

$$7 + 9 = 16$$

$3 + 3 = 6$

$4 + 3 = 7$

$5 + 3 = 8$

$6 + 3 = 9$

$7 + 3 = 10$

$8 + 3 = 11$

$9 + 3 = 12$

$8 + 5 = 13$

$5 + 5 = 10$

$9 + 4 = 13$

$8 + 3 = 11$

$7 + 5 = 12$

$8 + 4 = 12$

$6 + 5 = 11$

$4 + 3 = 7$

$9 + 4 = 13$

$9 + 7 = 16$

$7 + 6 = 13$

$5 + 3 = 8$

$7 + 2 = 9$

Add these :

Ans.

$6 + 3 =$	9
$3 + 6 =$	9

$5 + 1 =$	6
$1 + 5 =$	6

$4 + 2 =$	6
$2 + 4 =$	6

$3 + 4 =$	7
$4 + 3 =$	7

Try these!

Ans.

2	1
+1	+2
3	3

7	1
+1	+7
8	8

3	1
+1	+3
4	4

6	2
+2	+6
8	8

Adding both ways :

Ans.

Add across

+		
5	2	7
3	4	7

+		
3	5	8
2	6	8

+		
8	1	9
6	3	9

Add down

+	3	1
	1	5
	4	6

+	6	3
	1	2
	7	5

+	5	7
	3	2
	8	9

+	6	3
	2	3
	8	6

Writing an addition statement :

Ans.

●	+	●	=	●●
---	---	---	---	----

$1 + 1 = 2$

●●	+	●	=	●●●
----	---	---	---	-----

$2 + 1 = 3$

●●●	+	●	=	●●●●
-----	---	---	---	------

$3 + 1 = 4$

●●	+	●●	=	●●●●
----	---	----	---	------


$2 + 2 = 4$


●●●	+	●●	=	●●●●●
-----	---	----	---	-------

$3 + 2 = 5$


Look at the pictures to fill in the missing numbers :

Ans.




$$\begin{array}{r} 3 \\ + \boxed{4} \\ \hline 7 \end{array}$$


$$\begin{array}{r} 5 \\ + \boxed{3} \\ \hline 8 \end{array}$$


$$\begin{array}{r} \boxed{5} \\ + 4 \\ \hline 9 \end{array}$$


$$\begin{array}{r} 4 \\ + \boxed{3} \\ \hline 7 \end{array}$$


$$\begin{array}{r} 7 \\ + \boxed{2} \\ \hline 9 \end{array}$$


$$\begin{array}{r} \boxed{6} \\ + 2 \\ \hline 8 \end{array}$$

Add these numbers :

Ans.

$$5 + 3 + 1 = 9$$

$$1 + 7 + 1 = 9$$

$$3 + 4 + 1 = 8$$

$$7 + 1 + 1 = 9$$

$$4 + 5 + 1 = 10$$

$$6 + 2 + 0 = 8$$

Add these numbers :

Ans.

$$\begin{array}{r} 1 \\ 2 \\ + 2 \\ \hline 5 \end{array}$$

$$\begin{array}{r} 3 \\ 3 \\ + 3 \\ \hline 9 \end{array}$$

$$\begin{array}{r} 2 \\ 3 \\ + 4 \\ \hline 9 \end{array}$$

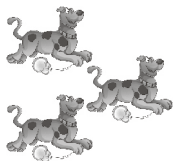
$$\begin{array}{r} 1 \\ 3 \\ + 2 \\ \hline 6 \end{array}$$

$$\begin{array}{r} 2 \\ 2 \\ + 3 \\ \hline 7 \end{array}$$

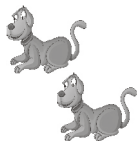
$$\begin{array}{r} 4 \\ 2 \\ + 3 \\ \hline 9 \end{array}$$



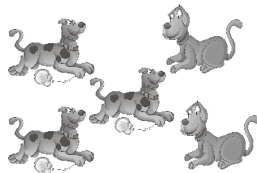
Story Sums on Addition



3 pups

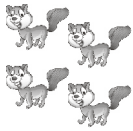


2 more pups



There are 5 pups in all.

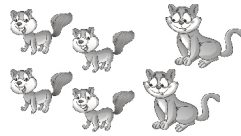
$$\begin{array}{r} 3 \\ + 2 \\ \hline 5 \end{array}$$



4 cats



2 more cats



There are 6 cats in all.

$$\begin{array}{r} 4 \\ + 2 \\ \hline 6 \end{array}$$



6 carrots



2 tomatoes



There are 8 vegetables in all.

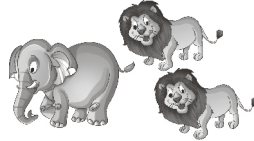
$$\begin{array}{r} 6 \\ + 2 \\ \hline 8 \end{array}$$



1 elephant



2 lions



There are 3 animals in all.

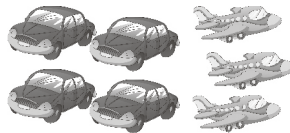
$$\begin{array}{r} 1 \\ + 2 \\ \hline 3 \end{array}$$



4 cars



3 aeroplanes



There are 7 vehicles in all.

$$\begin{array}{r} 4 \\ + 3 \\ \hline 7 \end{array}$$



NEP Multiple Intelligence

3	+	2	=	5	
	+				
	1				
	=				
3					
+					
2					
=					
5	+	2	=	7	
	+				
	6	+	3	=	9
	=				
4	+	4	=	8	
	+				
	2				
	=				
	6	+	2	=	8

4	+	4	=	8	
	+				
	5				
	=				
	4	+	4	=	8
	=				
	5	+	2	=	7
	=				
	4				
	=				
	3	+	3	=	6
	+				
	5				
	=				



Subtract and write. One is done for you.

Ans.



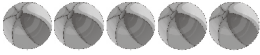
4 monkeys



1 goes away



3 monkeys are left



5 ball



4 lost



1 ball is left



4 cookies are
in a plate



2 cookies are
eaten



2 cookies are left in
the plate



5 snakes



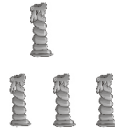
2 go away



3 snakes are left



8 candles are
burning



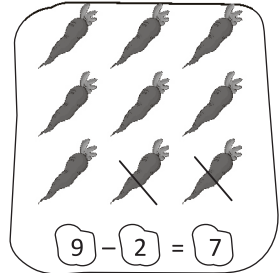
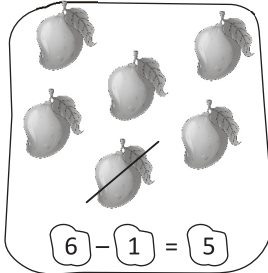
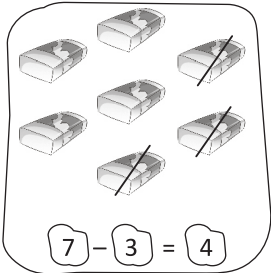
4 candles are
blown off

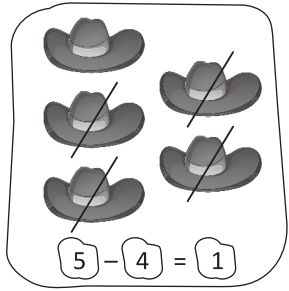
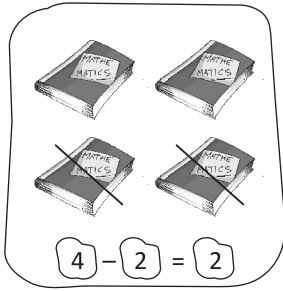
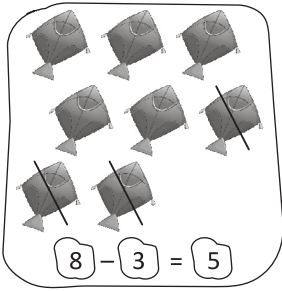


4 candles are
left burning

Cross out and find the answer.

Ans.





Subtract the following by drawing small strokes :

Ans.

$$\begin{array}{r} 7 \text{ |||||} \\ - 1 \\ \hline 6 \end{array}$$

$$\begin{array}{r} 3 \text{ ||} \\ - 1 \\ \hline 2 \end{array}$$

$$\begin{array}{r} 4 \text{ ||||} \\ - 2 \\ \hline 2 \end{array}$$

$$\begin{array}{r} 2 \text{ ||} \\ - 1 \\ \hline 1 \end{array}$$

$$\begin{array}{r} 4 \text{ ||||} \\ - 1 \\ \hline 3 \end{array}$$

$$\begin{array}{r} 5 \text{ |||||} \\ - 4 \\ \hline 1 \end{array}$$

$$\begin{array}{r} 7 \text{ |||||} \\ - 2 \\ \hline 5 \end{array}$$

$$\begin{array}{r} 5 \text{ |||||} \\ - 3 \\ \hline 2 \end{array}$$

$$\begin{array}{r} 5 \text{ |||||} \\ - 1 \\ \hline 4 \end{array}$$

$$\begin{array}{r} 3 \text{ ||} \\ - 2 \\ \hline 1 \end{array}$$

$$\begin{array}{r} 6 \text{ |||||} \\ - 2 \\ \hline 4 \end{array}$$

$$\begin{array}{r} 8 \text{ |||||} \\ - 4 \\ \hline 4 \end{array}$$

Subtract by counting back :

Ans.

$2 - 1 = 1$

$2 - 2 = 0$

$3 - 1 = 2$

$4 - 1 = 3$

$5 - 1 = 4$

$6 - 1 = 5$

$7 - 1 = 6$

$8 - 1 = 7$

$9 - 1 = 8$

$10 - 1 = 9$

$11 - 1 = 10$

$12 - 1 = 11$

$11 - 2 = 9$

$2 - 2 = 0$

$3 - 2 = 1$

$11 - 5 = 6$

$5 - 2 = 3$

$6 - 2 = 4$

$7 - 2 = 5$

$17 - 9 = 8$

$3 - 3 = 0$

$4 - 3 = 1$

$5 - 3 = 2$

$4 - 3 = 1$

$7 - 3 = 4$

$8 - 3 = 5$

$9 - 3 = 6$

$8 - 5 = 3$

Subtract :

Ans.

$$\begin{array}{r} 5 \\ - 2 \\ \hline 3 \end{array}$$

$$\begin{array}{r} 4 \\ - 3 \\ \hline 1 \end{array}$$

$$\begin{array}{r} 5 \\ - 4 \\ \hline 1 \end{array}$$

$$\begin{array}{r} 4 \\ - 2 \\ \hline 2 \end{array}$$

Subtract :

Ans.

$$\begin{array}{r} 4 \\ -2 \\ \hline 2 \end{array}$$

$$\begin{array}{r} 5 \\ -2 \\ \hline 3 \end{array}$$

$$\begin{array}{r} 7 \\ -5 \\ \hline 2 \end{array}$$

$$\begin{array}{r} 8 \\ -1 \\ \hline 7 \end{array}$$

$$\begin{array}{r} 9 \\ -3 \\ \hline 6 \end{array}$$

$$\begin{array}{r} 7 \\ -6 \\ \hline 1 \end{array}$$

$$\begin{array}{r} 8 \\ -4 \\ \hline 4 \end{array}$$

$$\begin{array}{r} 2 \\ -1 \\ \hline 1 \end{array}$$

$$\begin{array}{r} 7 \\ -3 \\ \hline 4 \end{array}$$

$$\begin{array}{r} 5 \\ -4 \\ \hline 1 \end{array}$$

Fill in :

Ans.

$$\begin{array}{l} 1+0 = 1 \\ 0+2 = 2 \\ 3+0 = 3 \end{array}$$

$$\begin{array}{l} 4+0 = 4 \\ 0+4 = 4 \\ 5+0 = 5 \end{array}$$

$$\begin{array}{l} 6+0 = 6 \\ 7+0 = 7 \\ 0+8 = 8 \end{array}$$

$$\begin{array}{l} 9+0 = 9 \\ 8+0 = 8 \\ 2+0 = 2 \end{array}$$

Fill in :

Ans.

$$1-0 = 1$$

$$4-0 = 4$$

$$6-0 = 6$$

$$9-0 = 9$$

$$2-0 = 2$$

$$5-0 = 5$$

$$7-0 = 7$$

$$5-0 = 5$$

$$3-0 = 3$$

$$0-0 = 0$$

$$8-0 = 8$$

$$1-0 = 1$$

$$6-0 = 6$$

$$7-0 = 7$$

$$9-0 = 9$$

$$3-0 = 3$$

Fill in '+' or '-' :

Ans.

$$8 - 4 = 4$$

$$4 + 4 = 8$$

$$0 + 9 = 9$$

$$9 - 7 = 2$$

$$8 - 6 = 2$$

$$9 - 3 = 6$$

$$4 + 4 = 8$$

$$2 + 5 = 7$$

$$5 + 2 = 7$$

$$2 + 2 = 4$$

$$5 + 3 = 8$$

$$4 + 5 = 9$$

$$7 - 1 = 6$$

$$5 - 2 = 3$$

$$2 + 7 = 9$$

$$9 - 5 = 4$$

Fill in :

Ans.

$$1-1 = 0$$

$$5-5 = 0$$

$$9-9 = 0$$

$$13-13 = 0$$

$$3-3 = 0$$

$$7-7 = 0$$

$$11-11 = 0$$

$$15-15 = 0$$

$$4-4 = 0$$

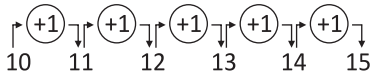
$$8-8 = 0$$

$$12-12 = 0$$

$$16-16 = 0$$

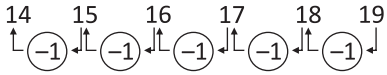
Fill in for counting forward :

Ans.



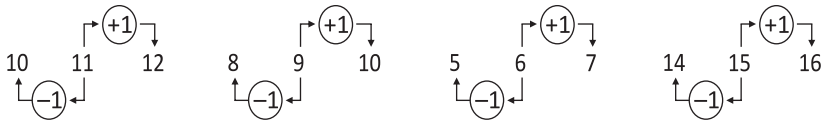
Fill in for counting backward:

Ans.



Fill in for the numbers before and after :

Ans.



Count and write the numbers and their sum :

Ans.

$7 = 2 + 5$	$6 = 9 - 3$	$9 = 3 + 6$
$5 = 7 - 2$	$8 = 4 + 4$	$3 = 6 - 3$
$6 = 1 + 5$	$8 = 9 - 1$	$4 = 2 + 2$



Story Sums

Karan's team has 7 players. Avik's team has 3 players.

Avik needs **4** players to make both teams equal.

Juhi has 8 flowers in her hand. Neha has 6 flowers.

Neha needs **2** flower to have the same number of flowers.

Jay has 9 chocolates and Princy has 7 chocolates.

Princy needs **2** chocolates to have the same as Jay.



NEP Cross-Cultural Learning (CCL)

Write the answers to these subtraction facts into the bubbles.

Shade the fish with even answers green and odd answers red.

Green $7 - 3$ 4	Red $9 - 2$ 7	Green $5 - 5$ 0
Green $8 - 4$ 4	Green $7 - 3$ 4	Red $10 - 3$ 7
Red $6 - 5$ 1	Red $7 - 0$ 7	Green $11 - 1$ 10

Now, answer the following questions :


- Ans. 1. Who is first? **Meera** 2. Who is at ninth position? **Deepak**
 3. Rita comes on **sixth position**. 4. Tom is at **fourth** position.
 5. Who is before Kabir? **Sachin** 6. Fatima is at **fifth** position.


Look at the picture and tell who is at what place :


- Ans. **Kangaroo** is 4th in race.
Cheetah is 10th in race.
Horse is 8th in race.
Donkey is 5th in race.
Dog is 2nd in race.
Elephant is 1st in race.


Colour the correct picture from the left :

Ans.

Fifth 

Second 

Third 





Fourth 




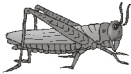


NEP SDGs for Qualitative Education

Look at the order below and cut out the ordinal number and paste it next to the correct animal.



	1st		2nd
	7th		4th

	3rd		8th
	6th		5th

1st 2nd 3rd 4th
 5th 6th 7th 8th

7

Number : 51 to 100

Write 51 to 100 :

Ans.

51 52 53 54 55 56 57 58 59 60

61 62 63 64 65 66 67 68 69 70









71 72 73 74 75 76 77 78 79 80

81 82 83 84 85 86 87 88 89 90

91 92 93 94 95 96 97 98 99 100

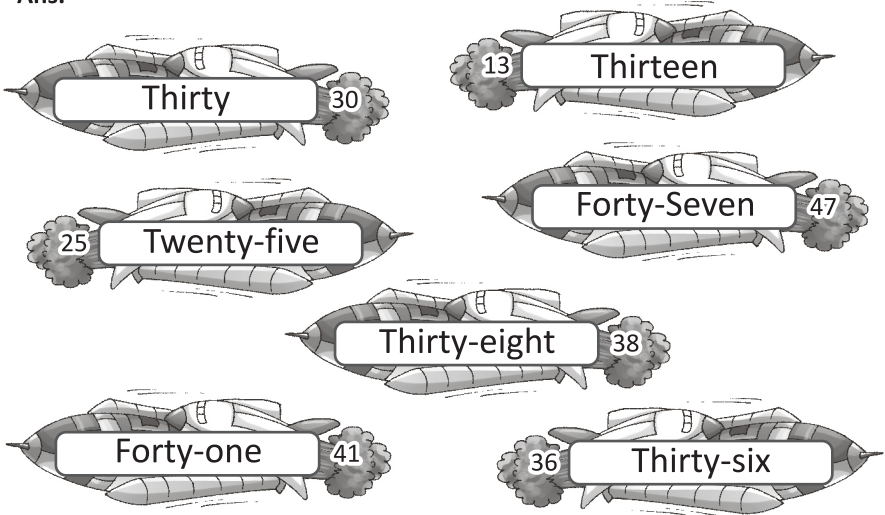
Write the numerals for the given number names :

Ans.

 21  49
 44 36 
 20   23
 50 11 

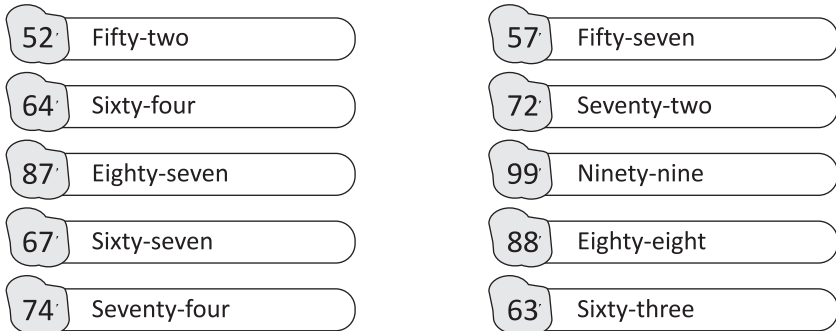
Write the number names for the given numerals :

Ans.



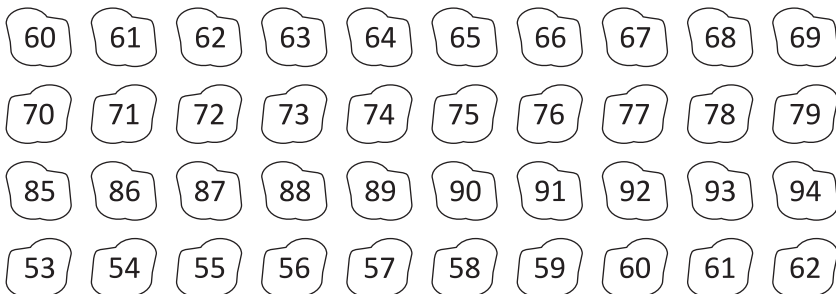
Write the number name :

Ans.



Fill in :

Ans.



Count backwards and fill in :

Ans.

60	59	58	57	56	55	54	53	52	51
68	67	66	65	64	63	62	61	60	59
80	79	78	77	76	75	74	73	72	71
95	94	93	92	91	90	89	88	87	86

Write a number on the line that is less than the number showing :

Ans.

<u>42</u> 43	<u>35</u> 36	<u>39</u> 40	<u>21</u> 22	<u>48</u> 49
<u>61</u> 62	<u>35</u> 36	<u>96</u> 97	<u>83</u> 84	<u>82</u> 83
<u>14</u> 15	<u>45</u> 46	<u>34</u> 35	<u>97</u> 98	<u>22</u> 23
<u>66</u> 67	<u>14</u> 15	<u>69</u> 70	<u>33</u> 34	<u>22</u> 23
<u>24</u> 25	<u>24</u> 25	<u>9</u> 10	<u>78</u> 79	<u>12</u> 13
<u>85</u> 86	<u>18</u> 19	<u>77</u> 78	<u>21</u> 22	<u>48</u> 49
<u>92</u> 93	<u>27</u> 28	<u>77</u> 78	<u>64</u> 65	<u>36</u> 37
<u>60</u> 61	<u>80</u> 81	<u>86</u> 87	<u>10</u> 11	<u>67</u> 68

Write a number on the line that is more than the number showing :

Ans.

70 <u>71</u>	41 <u>42</u>	25 <u>26</u>	19 <u>20</u>	45 <u>46</u>
60 <u>61</u>	80 <u>81</u>	34 <u>35</u>	20 <u>21</u>	10 <u>11</u>
33 <u>34</u>	24 <u>25</u>	63 <u>64</u>	48 <u>49</u>	86 <u>87</u>
81 <u>82</u>	84 <u>85</u>	88 <u>89</u>	22 <u>23</u>	60 <u>61</u>
18 <u>19</u>	61 <u>62</u>	69 <u>70</u>	92 <u>93</u>	71 <u>72</u>
78 <u>79</u>	92 <u>93</u>	77 <u>78</u>	61 <u>62</u>	34 <u>35</u>
27 <u>28</u>	11 <u>12</u>	91 <u>92</u>	75 <u>76</u>	74 <u>75</u>
90 <u>91</u>	44 <u>45</u>	40 <u>41</u>	93 <u>94</u>	89 <u>90</u>

Write in the short form :

Ans.

$$50 + 3 = \underline{53}$$

$$60 + 4 = \underline{64}$$

$$50 + 8 = \underline{58}$$

$$70 + 3 = \underline{73}$$

$$70 + 9 = \underline{79}$$

$$60 + 6 = \underline{66}$$

$$80 + 7 = \underline{87}$$

$$90 + 1 = \underline{91}$$

$$90 + 9 = \underline{99}$$

$$80 + 5 = \underline{85}$$

$$70 + 7 = \underline{77}$$

Write in the long form :

Ans.

$$94 = \underline{90} + 4$$

$$75 = \underline{70} + 5$$

$$82 = \underline{80} + 2$$

$$56 = \underline{50} + 6$$

$$95 = \underline{90} + 5$$

$$67 = \underline{60} + 7$$

$$88 = \underline{80} + 8$$

$$93 = \underline{90} + 3$$

$$59 = \underline{50} + 9$$

$$62 = \underline{60} + 2$$

$$71 = \underline{70} + 1$$



Fill in :

Ans.

$$60 + \underline{9} = 69$$

$$80 + \underline{7} = 87$$

$$50 + \underline{5} = 55$$

$$90 + \underline{9} = 99$$

$$\underline{50} + 4 = 54$$

$$\underline{70} + 6 = 76$$

$$\underline{80} + 6 = 86$$

$$\underline{90} + 3 = 93$$

$$90 + \underline{6} = 96$$

$$\underline{80} + 5 = 85$$

$$\underline{50} + 1 = 51$$

$$70 + \underline{2} = 72$$

$$60 + \underline{9} = 69$$

$$40 + \underline{9} = 49$$

$$30 + \underline{4} = 34$$

$$50 + \underline{7} = 57$$

8

Properties of 2-Digit Numbers

Form two different 2-digit numbers with :

Ans.

4 and 6

46

64

4 and 8

48

84

5 and 7

57

75

8 and 5

85

58

6 and 3

63

36

9 and 1

91

19

7 and 4

74

47

8 and 9

89

98

Write the number and its name.

Ans.

56	5 tens + 6 ones
	fifty-six

99	9 tens + 9 ones
	ninety-nine

84	8 tens + 4 ones
	eighty-four

69	6 tens + 9 ones
	sixty-nine

70	7 tens + 0 ones
	sevnty

100	10 tens
	one hundred



Match the following :



Ans.



9 tens + 0 ones
 9 tens + 3 ones
 6 tens + 6 ones
 4 tens + 5 ones
 8 tens + 2 ones
 7 tens + 3 ones

Write in expanded form.

Ans.

	3	tens	+	2	ones
	30	+	2		

	8	tens	+	4	ones
	80	+	4		

	6	tens	+	2	ones
	60	+	2		



$$\begin{array}{l} \boxed{7} \text{ tens} \qquad \qquad \qquad + \quad \boxed{7} \text{ ones} \\ \boxed{70} \quad + \quad \boxed{7} \end{array}$$



$$\begin{array}{l} \boxed{2} \text{ tens} \qquad \qquad \qquad + \quad \boxed{9} \text{ ones} \\ \boxed{20} \quad + \quad \boxed{9} \end{array}$$



$$\begin{array}{l} \boxed{5} \text{ tens} \qquad \qquad \qquad + \quad \boxed{3} \text{ ones} \\ \boxed{50} \quad + \quad \boxed{3} \end{array}$$



$$\begin{array}{l} \boxed{1} \text{ ten} \qquad \qquad \qquad + \quad \boxed{5} \text{ ones} \\ \boxed{10} \quad + \quad \boxed{5} \end{array}$$

Circle the greater number :

Ans.

13	24
50	23
29	40
22	44

32	16
14	29
48	52
55	16

13	15
18	11
45	37
21	36

45	89
24	14
35	33
14	41

Circle the smaller number :

Ans.

20	27
44	43
29	36
32	46
15	14

18	39
14	28
11	31
51	55
49	42

28	29
18	11
56	18
34	43
20	10

77	55
24	43
38	12
14	45
31	24

Arrange the following numbers in increasing order :

Ans.

55, 52, 51, 54 51 52 54 55

61, 58, 64, 43 43 58 61 64

55, 42, 57, 49	42	49	55	57
89, 86, 68, 77	68	77	86	89
46, 50, 95, 56	46	50	56	95

Arrange the following numbers in decreasing order :

Ans.

68, 73, 96, 87	96	87	73	68
98, 91, 47, 56	98	91	56	47
72, 65, 59, 73	73	72	65	59
99, 93, 92, 94	99	94	93	92
92, 56, 70, 81	99	81	70	56
45, 63, 74, 78	78	74	63	45
48, 75, 64, 37	75	64	48	37



NEP Computational and Analytical Thinking

Write in the symbol that makes the problem true $>$, $<$ or $=$:
Ans.

1. $35 < 52$	2. $40 < 74$	3. $45 > 30$
4. $84 > 77$	5. $38 < 64$	6. $51 > 39$
7. $43 = 43$	8. $79 > 28$	9. $99 > 89$

9

Addition of 2-Digit Numbers

Add and write the answers :
Ans.

T	O
8	7
+	2
8	9

T	O
7	7
+	1
7	8

T	O
5	7
+	2
5	9

T	O
5	2
+	5
5	7

T	O
4	3
+	6
4	9

$$\begin{array}{r} \text{T O} \\ 37 \\ + 2 \\ \hline 39 \end{array}$$

$$\begin{array}{r} \text{T O} \\ 36 \\ + 3 \\ \hline 39 \end{array}$$

$$\begin{array}{r} \text{T O} \\ 67 \\ + 1 \\ \hline 68 \end{array}$$

$$\begin{array}{r} \text{T O} \\ 35 \\ + 3 \\ \hline 38 \end{array}$$

$$\begin{array}{r} \text{T O} \\ 24 \\ + 5 \\ \hline 29 \end{array}$$

$$\begin{array}{r} \text{T O} \\ 24 \\ + 2 \\ \hline 26 \end{array}$$

$$\begin{array}{r} \text{T O} \\ 26 \\ + 1 \\ \hline 27 \end{array}$$

$$\begin{array}{r} \text{T O} \\ 64 \\ + 5 \\ \hline 69 \end{array}$$

$$\begin{array}{r} \text{T O} \\ 22 \\ + 6 \\ \hline 28 \end{array}$$

$$\begin{array}{r} \text{T O} \\ 72 \\ + 5 \\ \hline 77 \end{array}$$

Add and write the answers in the place holder. One is done for you.

Ans.

$$\begin{array}{r} 20 \\ + 30 \\ \hline 50 \end{array}$$

$$\begin{array}{r} 30 \\ + 20 \\ \hline 50 \end{array}$$

$$\begin{array}{r} 10 \\ + 50 \\ \hline 60 \end{array}$$

$$\begin{array}{r} 20 \\ + 10 \\ \hline 30 \end{array}$$

$$\begin{array}{r} 20 \\ + 30 \\ \hline 50 \end{array}$$

$$\begin{array}{r} 10 \\ + 80 \\ \hline 90 \end{array}$$

$$\begin{array}{r} 40 \\ + 40 \\ \hline 80 \end{array}$$

$$\begin{array}{r} 50 \\ + 40 \\ \hline 90 \end{array}$$

$$\begin{array}{r} 40 \\ + 50 \\ \hline 90 \end{array}$$

$$\begin{array}{r} 50 \\ + 30 \\ \hline 80 \end{array}$$

$$\begin{array}{r} 10 \\ 40 \\ + 20 \\ \hline 70 \end{array}$$

$$\begin{array}{r} 30 \\ 50 \\ + 10 \\ \hline 90 \end{array}$$

$$\begin{array}{r} 10 \\ 30 \\ + 20 \\ \hline 60 \end{array}$$

$$\begin{array}{r} 40 \\ 10 \\ + 40 \\ \hline 90 \end{array}$$

$$\begin{array}{r} 20 \\ 50 \\ + 20 \\ \hline 90 \end{array}$$

Add these numbers :

Ans.

$$\begin{array}{r} \text{T O} \\ 71 \\ + 26 \\ \hline 97 \end{array}$$

$$\begin{array}{r} \text{T O} \\ 63 \\ + 12 \\ \hline 75 \end{array}$$

$$\begin{array}{r} \text{T O} \\ 21 \\ + 77 \\ \hline 98 \end{array}$$

$$\begin{array}{r} \text{T O} \\ 15 \\ + 23 \\ \hline 38 \end{array}$$

$$\begin{array}{r} \text{T O} \\ 33 \\ + 24 \\ \hline 57 \end{array}$$

$$\begin{array}{r} \text{T O} \\ 43 \\ + 51 \\ \hline 94 \end{array}$$

$$\begin{array}{r} \text{T O} \\ 55 \\ + 34 \\ \hline 89 \end{array}$$

$$\begin{array}{r} \text{T O} \\ 24 \\ + 51 \\ \hline 75 \end{array}$$

$$\begin{array}{r} \text{T O} \\ 49 \\ + 30 \\ \hline 79 \end{array}$$

$$\begin{array}{r} \text{T O} \\ 34 \\ + 22 \\ \hline 56 \end{array}$$

$$\begin{array}{r} \text{T O} \\ 57 \\ + 32 \\ \hline 89 \end{array}$$

$$\begin{array}{r} \text{T O} \\ 66 \\ + 21 \\ \hline 87 \end{array}$$

$$\begin{array}{r} \text{T O} \\ 54 \\ + 24 \\ \hline 78 \end{array}$$

$$\begin{array}{r} \text{T O} \\ 62 \\ + 17 \\ \hline 79 \end{array}$$

$$\begin{array}{r} \text{T O} \\ 51 \\ + 36 \\ \hline 87 \end{array}$$

$$\begin{array}{r} \text{T O} \\ 55 \\ + 34 \\ \hline 89 \end{array}$$

$$\begin{array}{r} \text{T O} \\ 36 \\ + 42 \\ \hline 78 \end{array}$$

$$\begin{array}{r} \text{T O} \\ 40 \\ + 25 \\ \hline 65 \end{array}$$

$$\begin{array}{r} \text{T O} \\ 48 \\ + 21 \\ \hline 69 \end{array}$$

$$\begin{array}{r} \text{T O} \\ 53 \\ + 40 \\ \hline 93 \end{array}$$

Add the following :

Ans.

$$\begin{array}{r} \text{T O} \quad \text{T O} \quad \text{T O} \\ 15 + 31 = 46 \end{array}$$

$$\begin{array}{r} \text{T O} \quad \text{T O} \quad \text{T O} \\ 51 + 23 = 74 \end{array}$$

$$\begin{array}{r} \text{T O} \quad \text{T O} \quad \text{T O} \\ 24 + 53 = 77 \end{array}$$

$$\begin{array}{r} \text{T O} \quad \text{T O} \quad \text{T O} \\ 14 + 33 = 47 \end{array}$$

$$\begin{array}{r} \text{T O} \quad \text{T O} \quad \text{T O} \\ 20 + 29 = 49 \end{array}$$

$$\begin{array}{r} \text{T O} \quad \text{T O} \quad \text{T O} \\ 24 + 23 = 47 \end{array}$$

Fill in the boxes :

Ans.

Add 56 and 38

$$56 = 5 \text{ tens} + 6 \text{ ones}$$

$$38 = 3 \text{ tens} + 8 \text{ ones}$$

$$\text{Sum} = 8 \text{ tens} + 14 \text{ ones}$$

$$= 9 \text{ tens} + 4 \text{ ones}$$

$$\therefore 56 + 38 = 94$$

Add 24 and 39

$$24 = 2 \text{ tens} + 4 \text{ ones}$$

$$39 = 3 \text{ tens} + 9 \text{ ones}$$

$$\text{Sum} = 5 \text{ tens} + 13 \text{ ones}$$

$$= 6 \text{ tens} + 3 \text{ ones}$$

$$\therefore 24 + 39 = 63$$

Add the following :

Ans.

$$\begin{array}{r} \text{T O} \\ 1 \\ 79 \\ + 19 \\ \hline 98 \end{array}$$

$$\begin{array}{r} \text{T O} \\ 1 \\ 54 \\ + 27 \\ \hline 81 \end{array}$$

$$\begin{array}{r} \text{T O} \\ 1 \\ 29 \\ + 53 \\ \hline 82 \end{array}$$

$$\begin{array}{r} \text{T O} \\ 1 \\ 53 \\ + 38 \\ \hline 91 \end{array}$$

$$\begin{array}{r} \text{T O} \\ 1 \\ 58 \\ +27 \\ \hline 85 \end{array}$$

$$\begin{array}{r} \text{T O} \\ 1 \\ 36 \\ +49 \\ \hline 85 \end{array}$$

$$\begin{array}{r} \text{T O} \\ 1 \\ 66 \\ +26 \\ \hline 92 \end{array}$$

$$\begin{array}{r} \text{T O} \\ 1 \\ 27 \\ +68 \\ \hline 95 \end{array}$$

$$\begin{array}{r} \text{T O} \\ 1 \\ 19 \\ +26 \\ \hline 45 \end{array}$$

$$\begin{array}{r} \text{T O} \\ 1 \\ 75 \\ +17 \\ \hline 92 \end{array}$$

$$\begin{array}{r} \text{T O} \\ 1 \\ 37 \\ +54 \\ \hline 91 \end{array}$$

$$\begin{array}{r} \text{T O} \\ 1 \\ 56 \\ +25 \\ \hline 81 \end{array}$$

Add:
Ans.

$$\begin{array}{r} \text{T O} \\ 1 \\ 26 \\ +9 \\ \hline 35 \end{array}$$

$$\begin{array}{r} \text{T O} \\ 1 \\ 13 \\ +7 \\ \hline 20 \end{array}$$

$$\begin{array}{r} \text{T O} \\ 1 \\ 22 \\ +9 \\ \hline 31 \end{array}$$

$$\begin{array}{r} \text{T O} \\ 1 \\ 36 \\ +6 \\ \hline 42 \end{array}$$

$$\begin{array}{r} \text{T O} \\ 1 \\ 8 \\ +44 \\ \hline 52 \end{array}$$

$$\begin{array}{r} \text{T O} \\ 1 \\ 7 \\ +27 \\ \hline 34 \end{array}$$

$$\begin{array}{r} \text{T O} \\ 1 \\ 15 \\ +15 \\ \hline 30 \end{array}$$

$$\begin{array}{r} \text{T O} \\ 1 \\ 13 \\ +19 \\ \hline 32 \end{array}$$

$$\begin{array}{r} \text{T O} \\ 1 \\ 18 \\ +28 \\ \hline 46 \end{array}$$

$$\begin{array}{r} \text{T O} \\ 1 \\ 37 \\ +46 \\ \hline 83 \end{array}$$

$$\begin{array}{r} \text{T O} \\ 1 \\ 25 \\ +25 \\ \hline 50 \end{array}$$

$$\begin{array}{r} \text{T O} \\ 1 \\ 62 \\ +19 \\ \hline 81 \end{array}$$

Add:
Ans.

$$\begin{array}{r} \text{T O} \\ 1 \\ 31 \\ +9 \\ \hline 40 \end{array}$$

$$\begin{array}{r} \text{T O} \\ 1 \\ 73 \\ +8 \\ \hline 81 \end{array}$$

$$\begin{array}{r} \text{T O} \\ 1 \\ 86 \\ +4 \\ \hline 90 \end{array}$$

$$\begin{array}{r} \text{T O} \\ 1 \\ 5 \\ +47 \\ \hline 52 \end{array}$$

$$\begin{array}{r} \text{T O} \\ 1 \\ 18 \\ +29 \\ \hline 47 \end{array}$$

$$\begin{array}{r} \text{T O} \\ 1 \\ 35 \\ +35 \\ \hline 70 \end{array}$$

$$\begin{array}{r} \text{T O} \\ 1 \\ 56 \\ +27 \\ \hline 83 \end{array}$$

$$\begin{array}{r} \text{T O} \\ 1 \\ 73 \\ +19 \\ \hline 92 \end{array}$$

Add :
Ans.

$$\begin{array}{r} \text{T O} \\ 1 \\ 18 \\ + 22 \\ \hline 40 \end{array}$$

$$\begin{array}{r} \text{T O} \\ 1 \\ 15 \\ + 37 \\ \hline 52 \end{array}$$

$$\begin{array}{r} \text{T O} \\ 1 \\ 25 \\ + 28 \\ \hline 53 \end{array}$$

$$\begin{array}{r} \text{T O} \\ 1 \\ 36 \\ + 27 \\ \hline 63 \end{array}$$

$$\begin{array}{r} \text{T O} \\ 1 \\ 19 \\ + 12 \\ \hline 31 \end{array}$$

$$\begin{array}{r} \text{T O} \\ 1 \\ 49 \\ + 13 \\ \hline 62 \end{array}$$

$$\begin{array}{r} \text{T O} \\ 1 \\ 59 \\ + 14 \\ \hline 73 \end{array}$$

$$\begin{array}{r} \text{T O} \\ 1 \\ 63 \\ + 27 \\ \hline 90 \end{array}$$

$$\begin{array}{r} \text{T O} \\ 1 \\ 78 \\ + 12 \\ \hline 90 \end{array}$$

$$\begin{array}{r} \text{T O} \\ 1 \\ 38 \\ + 41 \\ \hline 79 \end{array}$$

$$\begin{array}{r} \text{T O} \\ 1 \\ 26 \\ + 19 \\ \hline 45 \end{array}$$

$$\begin{array}{r} \text{T O} \\ 1 \\ 64 \\ + 19 \\ \hline 83 \end{array}$$

Add :
Ans.

$$\begin{array}{r} \text{T O} \\ 1 \\ 35 \\ + 9 \\ \hline 44 \end{array}$$

$$\begin{array}{r} \text{T O} \\ 1 \\ 74 \\ + 8 \\ \hline 82 \end{array}$$

$$\begin{array}{r} \text{T O} \\ 1 \\ 85 \\ + 4 \\ \hline 89 \end{array}$$

$$\begin{array}{r} \text{T O} \\ 1 \\ 4 \\ + 47 \\ \hline 51 \end{array}$$

$$\begin{array}{r} \text{T O} \\ 1 \\ 17 \\ + 29 \\ \hline 46 \end{array}$$

$$\begin{array}{r} \text{T O} \\ 1 \\ 33 \\ + 35 \\ \hline 68 \end{array}$$

$$\begin{array}{r} \text{T O} \\ 1 \\ 54 \\ + 27 \\ \hline 81 \end{array}$$

$$\begin{array}{r} \text{T O} \\ 1 \\ 72 \\ + 19 \\ \hline 91 \end{array}$$

Geeta has 34 pencils.
Her sister has 47 pencils.
They have total 81 pencils.

$$\begin{array}{r} \text{T O} \\ 1 \\ 34 \\ + 47 \\ \hline 81 \end{array}$$

Rohan buys 54 tickets.
Seema buys 38 tickets.
They buy total 92 tickets.

$$\begin{array}{r} \text{T O} \\ 1 \\ 54 \\ + 38 \\ \hline 92 \end{array}$$

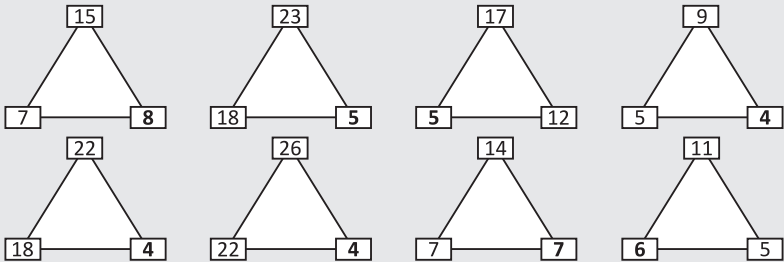
Atul scored 64 runs.
 Rohan scored 26 runs.
 Their total score is 90 runs.

T	O
1	
6	4
+ 2	6
9	0



NEP The 4Cs : Core Learning Skills

Fill the blank box in the following :
 Ans.



10

Subtraction of 2-Digit Numbers

Subtract the following. One is done for you :
 Ans.

T	O
9	9
- 7	
9	2

T	O
4	9
- 6	
4	3

T	O
8	6
- 3	
8	3

T	O
9	5
- 5	
9	0

T	O
8	7
- 6	
8	1

T	O
7	4
- 3	
7	1

T	O
9	3
- 2	
9	1

T	O
5	5
- 3	
5	2

T	O
5	9
- 8	
5	1

T	O
6	7
- 4	
6	3

T	O
5	7
- 5	
5	2

T	O
6	4
- 2	
6	2

T	O
8	2
- 1	
8	1

T	O
3	8
- 4	
3	4

T	O
5	6
- 3	
5	3

T	O
3	9
- 7	
3	2

T	O
3	6
- 2	
3	4

T	O
4	3
- 3	
4	0

T	O
3	5
- 4	
3	1

T	O
4	5
- 5	
4	0

Subtraction and write the answers :

Ans.

$$\begin{array}{r} \text{T O} \\ 90 \\ -80 \\ \hline 10 \end{array}$$

$$\begin{array}{r} \text{T O} \\ 60 \\ -50 \\ \hline 10 \end{array}$$

$$\begin{array}{r} \text{T O} \\ 80 \\ -70 \\ \hline 10 \end{array}$$

$$\begin{array}{r} \text{T O} \\ 90 \\ -20 \\ \hline 70 \end{array}$$

$$\begin{array}{r} \text{T O} \\ 70 \\ -10 \\ \hline 60 \end{array}$$

$$\begin{array}{r} \text{T O} \\ 60 \\ -10 \\ \hline 50 \end{array}$$

$$\begin{array}{r} \text{T O} \\ 80 \\ -20 \\ \hline 60 \end{array}$$

$$\begin{array}{r} \text{T O} \\ 70 \\ -60 \\ \hline 10 \end{array}$$

$$\begin{array}{r} \text{T O} \\ 50 \\ -40 \\ \hline 10 \end{array}$$

$$\begin{array}{r} \text{T O} \\ 80 \\ -60 \\ \hline 20 \end{array}$$

$$\begin{array}{r} \text{T O} \\ 80 \\ -50 \\ \hline 30 \end{array}$$

$$\begin{array}{r} \text{T O} \\ 40 \\ -40 \\ \hline 00 \end{array}$$

$$\begin{array}{r} \text{T O} \\ 70 \\ -50 \\ \hline 20 \end{array}$$

$$\begin{array}{r} \text{T O} \\ 40 \\ -20 \\ \hline 20 \end{array}$$

$$\begin{array}{r} \text{T O} \\ 50 \\ -20 \\ \hline 30 \end{array}$$

$$\begin{array}{r} \text{T O} \\ 40 \\ -30 \\ \hline 10 \end{array}$$

$$\begin{array}{r} \text{T O} \\ 70 \\ -20 \\ \hline 50 \end{array}$$

$$\begin{array}{r} \text{T O} \\ 70 \\ -40 \\ \hline 30 \end{array}$$

$$\begin{array}{r} \text{T O} \\ 90 \\ -40 \\ \hline 50 \end{array}$$

$$\begin{array}{r} \text{T O} \\ 80 \\ -10 \\ \hline 70 \end{array}$$

Subtract and write :

Ans.

$$\begin{array}{r} \text{T O} \\ 95 \\ -55 \\ \hline 40 \end{array}$$

$$\begin{array}{r} \text{T O} \\ 59 \\ -15 \\ \hline 44 \end{array}$$

$$\begin{array}{r} \text{T O} \\ 98 \\ -83 \\ \hline 15 \end{array}$$

$$\begin{array}{r} \text{T O} \\ 79 \\ -52 \\ \hline 27 \end{array}$$

$$\begin{array}{r} \text{T O} \\ 54 \\ -12 \\ \hline 42 \end{array}$$

$$\begin{array}{r} \text{T O} \\ 87 \\ -45 \\ \hline 42 \end{array}$$

$$\begin{array}{r} \text{T O} \\ 64 \\ -32 \\ \hline 32 \end{array}$$

$$\begin{array}{r} \text{T O} \\ 98 \\ -45 \\ \hline 53 \end{array}$$

$$\begin{array}{r} \text{T O} \\ 75 \\ -40 \\ \hline 35 \end{array}$$

$$\begin{array}{r} \text{T O} \\ 46 \\ -24 \\ \hline 22 \end{array}$$

$$\begin{array}{r} \text{T O} \\ 92 \\ -21 \\ \hline 71 \end{array}$$

$$\begin{array}{r} \text{T O} \\ 72 \\ -11 \\ \hline 61 \end{array}$$

$$\begin{array}{r} \text{T O} \\ 90 \\ -50 \\ \hline 40 \end{array}$$

$$\begin{array}{r} \text{T O} \\ 94 \\ -72 \\ \hline 22 \end{array}$$

$$\begin{array}{r} \text{T O} \\ 72 \\ -21 \\ \hline 51 \end{array}$$

Subtract the following :

Ans.

$$\begin{array}{r} \text{T O} \\ 66 \\ -34 \\ \hline 32 \end{array}$$

$$\begin{array}{r} \text{T O} \\ 38 \\ -12 \\ \hline 26 \end{array}$$

$$\begin{array}{r} \text{T O} \\ 57 \\ -14 \\ \hline 43 \end{array}$$

$$\begin{array}{r} \text{T O} \\ 58 \\ -13 \\ \hline 45 \end{array}$$

$$\begin{array}{r} \text{T O} \\ 55 \\ -40 \\ \hline 15 \end{array}$$

$$\begin{array}{r} \text{T O} \\ 87 \\ -43 \\ \hline 44 \end{array}$$

$$\begin{array}{r} \text{T O} \\ 55 \\ -33 \\ \hline 22 \end{array}$$

$$\begin{array}{r} \text{T O} \\ 35 \\ -11 \\ \hline 24 \end{array}$$



Story Sums

Ans.

A box contains 47 chalks.

20 chalks are broken.

There are 27 unbroken chalks in the box.

$$\begin{array}{r} \text{T O} \\ 47 \\ -20 \\ \hline 27 \end{array}$$

A book contains 98 pages.

Shashi reads 84 pages.

She has to read 14 pages.

$$\begin{array}{r} \text{T O} \\ 98 \\ -84 \\ \hline 14 \end{array}$$

There were 56 cows in a field.

32 went away.

So, 24 cows are left in the field.

$$\begin{array}{r} \text{T O} \\ 56 \\ -32 \\ \hline 24 \end{array}$$

86 students went on a picnic.

33 of them were girls.

So, 53 boys went on the picnic.

$$\begin{array}{r} \text{T O} \\ 86 \\ -33 \\ \hline 53 \end{array}$$

In a match, Ram made 78 runs.

Lakshman made 57 runs.

Ram made 21 more runs than Lakshman.

$$\begin{array}{r} \text{T O} \\ 78 \\ -57 \\ \hline 21 \end{array}$$

The total number of seats in a train is 68.

18 seats are empty.

There are 50 parrenegers in the train.

$$\begin{array}{r} \text{T O} \\ 68 \\ -18 \\ \hline 50 \end{array}$$

Subtract the following :

Ans.

$$\begin{array}{r} \text{T O} \\ 217 \\ ~~37~~ \\ -28 \\ \hline 09 \end{array}$$

$$\begin{array}{r} \text{T O} \\ 613 \\ ~~73~~ \\ -36 \\ \hline 37 \end{array}$$

$$\begin{array}{r} \text{T O} \\ 812 \\ ~~92~~ \\ -45 \\ \hline 47 \end{array}$$

$$\begin{array}{r} \text{T O} \\ 712 \\ ~~82~~ \\ -53 \\ \hline 29 \end{array}$$

$$\begin{array}{r} \text{T O} \\ 611 \\ ~~71~~ \\ -43 \\ \hline 28 \end{array}$$

$$\begin{array}{r} \text{T O} \\ 6 \ 15 \\ \cancel{7} \ \cancel{5} \\ -4 \ 6 \\ \hline 2 \ 9 \end{array}$$

$$\begin{array}{r} \text{T O} \\ 2 \ 14 \\ \cancel{3} \ \cancel{4} \\ -1 \ 8 \\ \hline 1 \ 6 \end{array}$$

$$\begin{array}{r} \text{T O} \\ 3 \ 13 \\ \cancel{4} \ \cancel{3} \\ -3 \ 5 \\ \hline 0 \ 8 \end{array}$$

$$\begin{array}{r} \text{T O} \\ 7 \ 13 \\ \cancel{8} \ \cancel{3} \\ -4 \ 4 \\ \hline 3 \ 9 \end{array}$$

$$\begin{array}{r} \text{T O} \\ \ \\ 8 \ 7 \\ -3 \ 4 \\ \hline 5 \ 3 \end{array}$$

$$\begin{array}{r} \text{T O} \\ 3 \ 11 \\ \cancel{4} \ \cancel{1} \\ -2 \ 8 \\ \hline 1 \ 3 \end{array}$$

$$\begin{array}{r} \text{T O} \\ 5 \ 14 \\ \cancel{6} \ \cancel{4} \\ -2 \ 7 \\ \hline 3 \ 7 \end{array}$$

$$\begin{array}{r} \text{T O} \\ 7 \ 11 \\ \cancel{8} \ \cancel{1} \\ -4 \ 5 \\ \hline 3 \ 6 \end{array}$$

$$\begin{array}{r} \text{T O} \\ 6 \ 13 \\ \cancel{7} \ \cancel{3} \\ -5 \ 5 \\ \hline 1 \ 8 \end{array}$$

$$\begin{array}{r} \text{T O} \\ 4 \ 13 \\ \cancel{5} \ \cancel{3} \\ -3 \ 4 \\ \hline 1 \ 9 \end{array}$$

Subtract:

Ans.

$$\begin{array}{r} \text{T O} \\ 1 \ 16 \\ \cancel{2} \ \cancel{6} \\ - \ 9 \\ \hline 1 \ 7 \end{array}$$

$$\begin{array}{r} \text{T O} \\ 0 \ 13 \\ \cancel{1} \ \cancel{3} \\ - \ 7 \\ \hline 0 \ 6 \end{array}$$

$$\begin{array}{r} \text{T O} \\ 1 \ 12 \\ \cancel{2} \ \cancel{2} \\ - \ 9 \\ \hline 1 \ 3 \end{array}$$

$$\begin{array}{r} \text{T O} \\ \ \\ 3 \ 6 \\ - \ 6 \\ \hline 3 \ 0 \end{array}$$

$$\begin{array}{r} \text{T O} \\ \ \\ 9 \ 8 \\ -4 \ 4 \\ \hline 5 \ 4 \end{array}$$

$$\begin{array}{r} \text{T O} \\ \ \\ 3 \ 7 \\ -2 \ 7 \\ \hline 1 \ 0 \end{array}$$

$$\begin{array}{r} \text{T O} \\ 3 \ 15 \\ \cancel{4} \ \cancel{5} \\ -1 \ 7 \\ \hline 2 \ 8 \end{array}$$

$$\begin{array}{r} \text{T O} \\ 2 \ 13 \\ \cancel{3} \ \cancel{3} \\ -1 \ 9 \\ \hline 1 \ 4 \end{array}$$

$$\begin{array}{r} \text{T O} \\ \ \\ 4 \ 8 \\ -2 \ 8 \\ \hline 2 \ 0 \end{array}$$

$$\begin{array}{r} \text{T O} \\ 6 \ 15 \\ \cancel{7} \ \cancel{5} \\ -1 \ 7 \\ \hline 5 \ 8 \end{array}$$

$$\begin{array}{r} \text{T O} \\ 1 \ 16 \\ \cancel{2} \ \cancel{6} \\ -1 \ 9 \\ \hline 0 \ 7 \end{array}$$

$$\begin{array}{r} \text{T O} \\ \ \\ 4 \ 8 \\ -3 \ 6 \\ \hline 1 \ 2 \end{array}$$

$$\begin{array}{r} \text{T O} \\ 7 \ 15 \\ \cancel{8} \ \cancel{5} \\ -3 \ 8 \\ \hline 4 \ 7 \end{array}$$

$$\begin{array}{r} \text{T O} \\ \ \\ 9 \ 7 \\ -4 \ 6 \\ \hline 5 \ 1 \end{array}$$

$$\begin{array}{r} \text{T O} \\ \ \\ 2 \ 5 \\ -2 \ 5 \\ \hline 0 \ 0 \end{array}$$

Subtract:

Ans.

$$\begin{array}{r} \text{T O} \\ 2 \ 11 \\ \cancel{3} \ \cancel{1} \\ - \ 9 \\ \hline 2 \ 2 \end{array}$$

$$\begin{array}{r} \text{T O} \\ 6 \ 13 \\ \cancel{7} \ \cancel{3} \\ - \ 8 \\ \hline 6 \ 5 \end{array}$$

$$\begin{array}{r} \text{T O} \\ \ \\ 8 \ 6 \\ - \ 4 \\ \hline 8 \ 2 \end{array}$$

$$\begin{array}{r} \text{T O} \\ 4 \ 15 \\ \cancel{5} \ \cancel{5} \\ -4 \ 7 \\ \hline 0 \ 8 \end{array}$$

$$\begin{array}{r} \text{T O} \\ 3 \ 18 \\ \cancel{4} \ \cancel{8} \\ -2 \ 9 \\ \hline 1 \ 9 \end{array}$$

$$\begin{array}{r} \text{T O} \\ \ \\ 3 \ 5 \\ -3 \ 5 \\ \hline 0 \ 0 \end{array}$$

$$\begin{array}{r} \text{T O} \\ 4 \ 16 \\ \cancel{5} \ \cancel{6} \\ -2 \ 7 \\ \hline 2 \ 9 \end{array}$$

$$\begin{array}{r} \text{T O} \\ 6 \ 13 \\ \cancel{7} \ \cancel{3} \\ -1 \ 9 \\ \hline 5 \ 4 \end{array}$$

My Classroom

Count and write :

Ans.

Number of girls

3

Number of boys

4

Total number of children

7

Number of boards

2

Number of desks

5

Number of books

35

Number of pencils

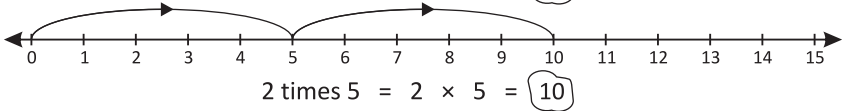
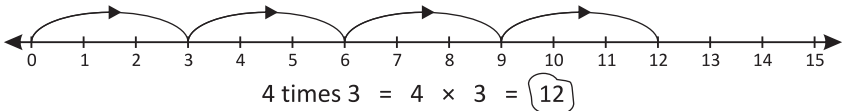
6

11

Skip Counting

Multiply the following with the help of skip counting.

Ans.



Skip count by 3's and fill in the bricks :

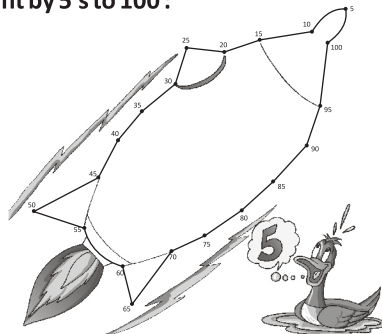
Ans.

3	6	9	12	15	18
27	30	33	36	39	42
51	54	57	60	63	66
63	66	69	72	75	78



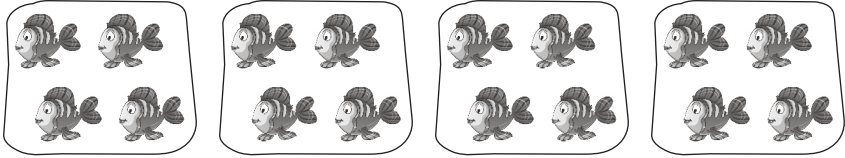
Connect the dots. Count by 5's to 100 :

Ans.

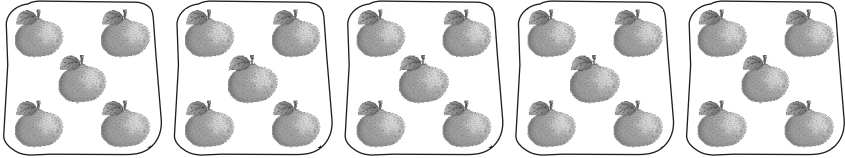


36

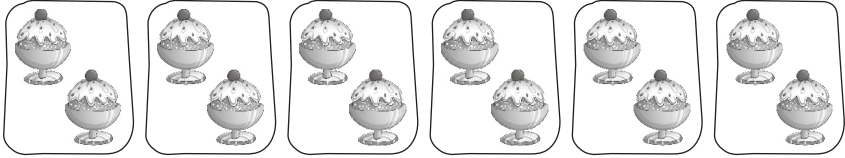
Do the following and then write the product.
Ans.



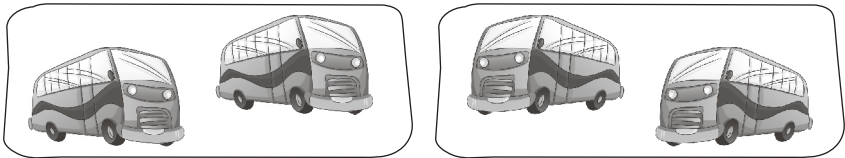
$$4 + 4 + 4 + 4 = 4 \times 4 = 16$$



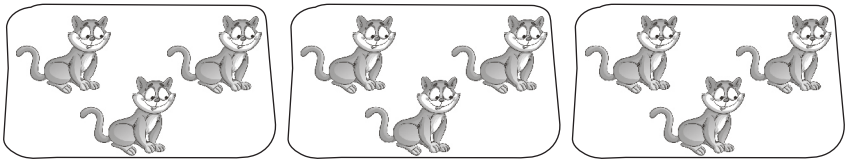
$$5 + 5 + 5 + 5 + 5 = 5 \times 5 = 25$$



$$2 + 2 + 2 + 2 + 2 + 2 = 6 \times 2 = 12$$



$$2 + 2 = 2 \times 2 = 4$$



$$3 + 3 + 3 = 3 \times 3 = 9$$

Write as multiplication :

Ans.



$3 + 3 + 3 + 3$	$=$	<u> </u>	4×3	<u> </u>
$5 + 5$	$=$	<u> </u>	2×5	<u> </u>
$8 + 8 + 8$	$=$	<u> </u>	3×8	<u> </u>
$2 + 2 + 2 + 2$	$=$	<u> </u>	4×2	<u> </u>
$4 + 4$	$=$	<u> </u>	2×4	<u> </u>
$3 + 3 + 3 + 3 + 3$	$=$	<u> </u>	5×3	<u> </u>
$6 + 6 + 6 + 6 + 6 + 6$	$=$	<u> </u>	6×6	<u> </u>
$7 + 7$	$=$	<u> </u>	2×7	<u> </u>
$9 + 9 + 9 + 9 + 9 + 9 + 9$	$=$	<u> </u>	8×9	<u> </u>
$5 + 5 + 5 + 5 + 5 + 5 + 5$	$=$	<u> </u>	7×5	<u> </u>
$10 + 10 + 10 + 10 + 10 + 10$	$=$	<u> </u>	6×10	<u> </u>
$8 + 8 + 8 + 8 + 8 + 8 + 8 + 8 + 8 + 8$	$=$	<u> </u>	9×8	<u> </u>

Write as addition :

Ans.

4×7	$=$	<u> </u>	$7 + 7 + 7 + 7$	<u> </u>
2×5	$=$	<u> </u>	$5 + 5$	<u> </u>
5×2	$=$	<u> </u>	$2 + 2 + 2 + 2 + 2$	<u> </u>
5×9	$=$	<u> </u>	$9 + 9 + 9 + 9 + 9$	<u> </u>
8×8	$=$	<u> </u>	$8 + 8 + 8 + 8 + 8 + 8 + 8 + 8$	<u> </u>
6×8	$=$	<u> </u>	$8 + 8 + 8 + 8 + 8 + 8$	<u> </u>
3×0	$=$	<u> </u>	$0 + 0 + 0$	<u> </u>
7×1	$=$	<u> </u>	$1 + 1 + 1 + 1 + 1 + 1 + 1$	<u> </u>
8×2	$=$	<u> </u>	$2 + 2 + 2 + 2 + 2 + 2 + 2 + 2$	<u> </u>

Fill in:

Ans.

$1 \times 9 = \underline{9}$
 $2 \times 8 = \underline{16}$
 $3 \times 7 = \underline{21}$
 $4 \times 8 = \underline{32}$
 $3 \times 9 = \underline{27}$
 $5 \times 4 = \underline{20}$
 $5 \times 5 = \underline{25}$
 $1 \times 7 = \underline{7}$
 $9 \times 4 = \underline{36}$
 $4 \times 7 = \underline{28}$

$2 \times 8 = \underline{16}$
 $4 \times 4 = \underline{16}$
 $2 \times 7 = \underline{14}$
 $8 \times 3 = \underline{24}$
 $3 \times 8 = \underline{24}$
 $4 \times 6 = \underline{24}$
 $8 \times 5 = \underline{40}$
 $6 \times 7 = \underline{42}$
 $5 \times 8 = \underline{40}$
 $10 \times 4 = \underline{40}$

$5 \times 9 = \underline{45}$
 $3 \times 3 = \underline{9}$
 $4 \times 7 = \underline{28}$
 $3 \times 6 = \underline{18}$
 $2 \times 6 = \underline{12}$
 $5 \times 7 = \underline{35}$
 $9 \times 5 = \underline{45}$
 $4 \times 9 = \underline{36}$
 $3 \times 4 = \underline{12}$
 $9 \times 3 = \underline{27}$

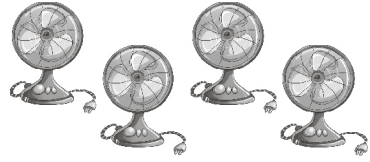
How many?

Ans.



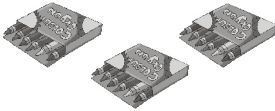
3 frogs. Each has 4 legs.

$$\underline{3} \times \underline{4} = \underline{12} \text{ legs in all.}$$



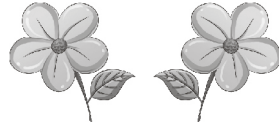
4 fans. Each has 3 blades.

$$\underline{4} \times \underline{3} = \underline{12} \text{ blades in all.}$$



3 boxes. Each has 6 colours.

$$\underline{3} \times \underline{6} = \underline{18} \text{ colours in all.}$$

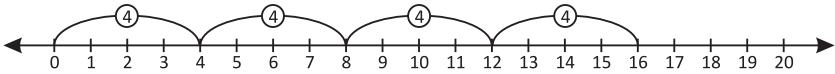


2 flowers. Each has 5 petals.

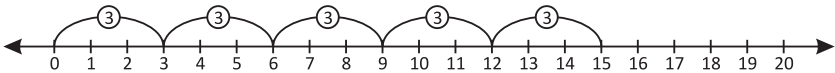
$$\underline{2} \times \underline{5} = \underline{10} \text{ petals in all.}$$

Fill in the place holders :

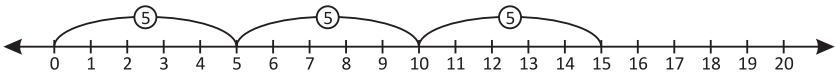
Ans.



$$\begin{array}{ccccccc} \textcircled{4} & + & \textcircled{4} & + & \textcircled{4} & + & \textcircled{4} & = & \textcircled{16} \\ \textcircled{4} & \times & \textcircled{4} & = & \textcircled{16} \end{array}$$



$$\begin{array}{ccccccc} \textcircled{3} & + & \textcircled{3} & + & \textcircled{3} & + & \textcircled{3} & + & \textcircled{3} & = & \textcircled{15} \\ \textcircled{5} & \times & \textcircled{3} & = & \textcircled{15} \end{array}$$



$$\begin{array}{ccccccc} \textcircled{5} & + & \textcircled{5} & + & \textcircled{5} & = & \textcircled{15} \\ \textcircled{3} & \times & \textcircled{5} & = & \textcircled{15} \end{array}$$

Multiply :

Ans.

$$\begin{array}{r} 6 \\ \times 2 \\ \hline 12 \end{array}$$

$$\begin{array}{r} 4 \\ \times 2 \\ \hline 8 \end{array}$$

$$\begin{array}{r} 8 \\ \times 1 \\ \hline 8 \end{array}$$

$$\begin{array}{r} 9 \\ \times 3 \\ \hline 27 \end{array}$$

$$\begin{array}{r} 2 \\ \times 4 \\ \hline 8 \end{array}$$

$$\begin{array}{r} 9 \\ \times 5 \\ \hline 45 \end{array}$$

$$\begin{array}{r} 7 \\ \times 2 \\ \hline 14 \end{array}$$

$$\begin{array}{r} 3 \\ \times 5 \\ \hline 15 \end{array}$$

$$\begin{array}{r} 7 \\ \times 4 \\ \hline 28 \end{array}$$

$$\begin{array}{r} 6 \\ \times 3 \\ \hline 18 \end{array}$$

$$\begin{array}{r} 3 \\ \times 4 \\ \hline 12 \end{array}$$

$$\begin{array}{r} 5 \\ \times 5 \\ \hline 25 \end{array}$$

$$\begin{array}{r} 6 \\ \times 4 \\ \hline 24 \end{array}$$

$$\begin{array}{r} 5 \\ \times 9 \\ \hline 45 \end{array}$$

$$\begin{array}{r} 8 \\ \times 4 \\ \hline 32 \end{array}$$

$$\begin{array}{r} 4 \\ \times 4 \\ \hline 16 \end{array}$$

$$\begin{array}{r} 8 \\ \times 3 \\ \hline 24 \end{array}$$

$$\begin{array}{r} 7 \\ \times 5 \\ \hline 35 \end{array}$$

$$\begin{array}{r} 5 \\ \times 2 \\ \hline 10 \end{array}$$

$$\begin{array}{r} 3 \\ \times 8 \\ \hline 24 \end{array}$$

Fill in the circles :

Ans.

$$12 \times 1 = 12$$

$$16 \times 1 = 16$$

$$3 \times 0 = 0$$

$$4 \times 1 = 4$$

$$9 \times 1 = 9$$

$$3 \times 1 = 3$$

$$17 \times 0 = 0$$

$$14 \times 1 = 14$$

$$10 \times 1 = 10$$

$$12 \times 1 = 12$$

$$12 \times 0 = 0$$

$$12 \times 1 = 12$$



Story Sums

Ans.

A dog has 1 tail.

So, 6 dogs have 6 tails.

$$\begin{array}{r} \text{T O} \\ 1 \text{ tail} \\ \times 6 \\ \hline 6 \text{ tails} \end{array}$$

A scooter has 2 wheels.

So, 8 scooters have 16 wheels.

$$\begin{array}{r} \text{T O} \\ 2 \text{ wheels} \\ \times 8 \\ \hline 16 \text{ wheels} \end{array}$$

There are 5 pencils in a box.

Thus, 20 pencils will be in 4 such boxes.

$$\begin{array}{r} \text{T O} \\ 5 \text{ Pencils} \\ \times 4 \\ \hline 20 \text{ Pencils} \end{array}$$

A tricycle has 3 wheels.

So, 12 wheels are there in 4 tricycles.

$$\begin{array}{r} \text{T O} \\ 3 \text{ wheels} \\ \times 4 \\ \hline 12 \text{ wheels} \end{array}$$

A child has 8 balloons.
So, 5 children have 40 balloons.

$$\begin{array}{r} \text{T O} \\ 8 \text{ balloons} \\ \times 5 \\ \hline 40 \text{ balloons} \end{array}$$

A zebra has 4 legs.
So, 7 zebras have 28 legs.

$$\begin{array}{r} \text{T O} \\ 4 \text{ legs} \\ \times 7 \\ \hline 28 \text{ legs} \end{array}$$

A man has two feet.
So, 4 men have 8 feet.

$$\begin{array}{r} \text{T O} \\ 2 \text{ feet} \\ \times 4 \\ \hline 8 \text{ feet} \end{array}$$



NEP Life Skills

Multiply the top number by the single number.

$$\begin{array}{r} \textcircled{1} \\ 15 \\ \times 2 \\ \hline 30 \end{array}$$

$$\begin{array}{r} \textcircled{6} \\ 18 \\ \times 8 \\ \hline 144 \end{array}$$

$$\begin{array}{r} \textcircled{5} \\ 19 \\ \times 6 \\ \hline 114 \end{array}$$

$$\begin{array}{r} 13 \\ \times 3 \\ \hline 39 \end{array}$$

$$\begin{array}{r} 20 \\ \times 6 \\ \hline 120 \end{array}$$

$$\begin{array}{r} \textcircled{2} \\ 25 \\ \times 5 \\ \hline 125 \end{array}$$

$$\begin{array}{r} 30 \\ \times 3 \\ \hline 90 \end{array}$$

$$\begin{array}{r} \textcircled{4} \\ 35 \\ \times 8 \\ \hline 280 \end{array}$$

$$\begin{array}{r} 40 \\ \times 7 \\ \hline 280 \end{array}$$

13

Division

Divide and fill in the blanks :

Ans.

$$\begin{array}{r} 4 \overline{) 123} \\ -12 \\ \hline 0 \end{array}$$



$$12 \div 4 = 3$$

$$\begin{array}{r} 2 \overline{) 147} \\ - 14 \\ \hline 0 \end{array}$$



$14 \div 2 = 7$

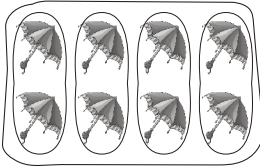
$$\begin{array}{r} 3 \overline{) 155} \\ - 15 \\ \hline 0 \end{array}$$



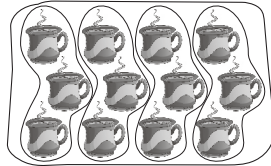
$15 \div 3 = 5$

Make groups to divide and fill in the boxes :

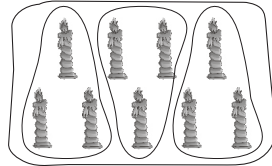
Ans.



$8 \div 2 = 4$



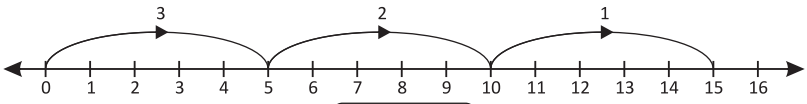
$12 \div 3 = 4$



$9 \div 3 = 3$

Divide 15 by 5 :

Ans.



$15 \div 5 = 3$



Directions : Multiply and color by the code.

Ans.

Color Code	
5	Red
6	Orange
7	Yellow
8	Blue
9	Green
12	Sky blue

Let us find out.

Ans. Do it yourself.

Measure the following lengths in cm by a scale and write their lengths in the boxes.

Ans.



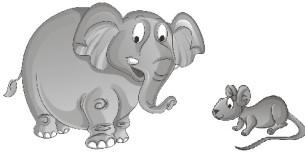
4.5 cm



3 cm



Measurement of Mass

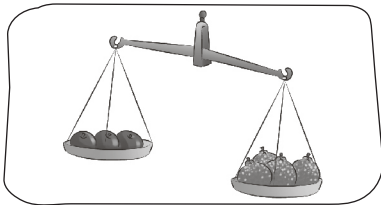


A balance is used to compare mass of objects.

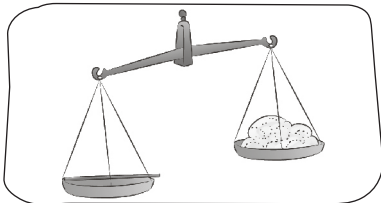


Fill in the blanks comparing the mass of objects.

Ans.



Apples are lighter than oranges.



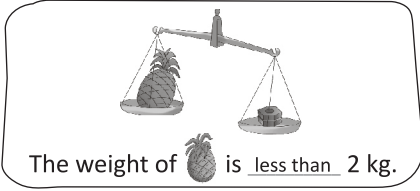
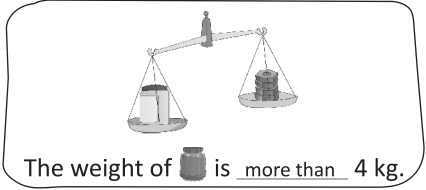
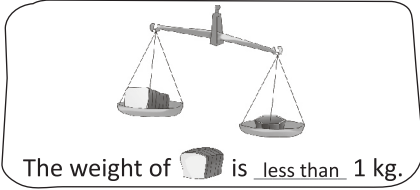
The iron rod is heavier than the cotton bundles.



Sahil (👤) is lighter than Kamal (👤).

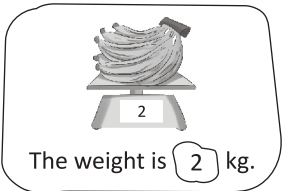
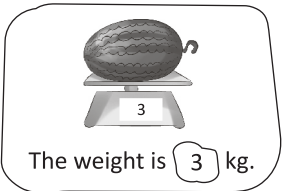
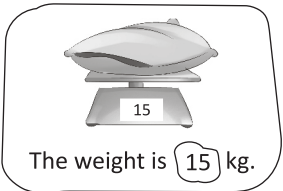
Write less than, more than or same as :

Ans.



Read the machine and write the weight :

Ans.



Tick (✓) the correct option :

Ans.

Father is lighter than / equal to / heavier than Mohit.

Mary is lighter than / equal to / heavier than Mother.

Who is the **heaviest** person? Father

Who is the **lightest** person? Mary

Tell :



1. Do you find both cold drink bottles have same capacity?




No

2. How many more glasses of cold drink can Sonia's bottle fill than Aman's bottle?

1 glass of cold drink.

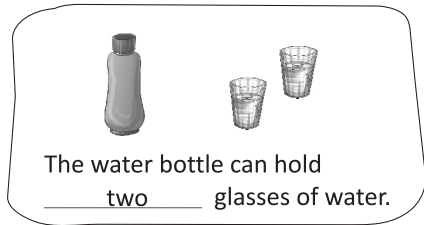
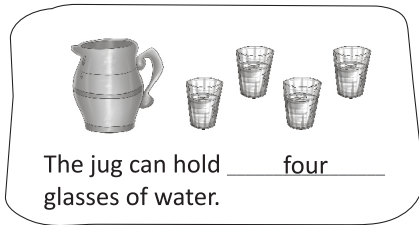
Compare and write the name of objects in appropriate column :

Object	More Capacity	Less Capacity
Cup 	Basket	Cup
Basket 		

Cold drink bottle Cough syrup bottle		Cold drink bottle	Cough syrup bottle
Mug Spoon		Mug	Spoon
Cup Cold drink bottle		Cold drink bottle	Cup

Fill in the blanks.

Ans.



So, the capacity of the jug is more than that of the water bottle.



NEP Development of Traditional Knowledge

Measure the object below with your finger and write your measurement.

Ans. Do it yourself.

15

Money

Calculate the value for the following.

Ans.



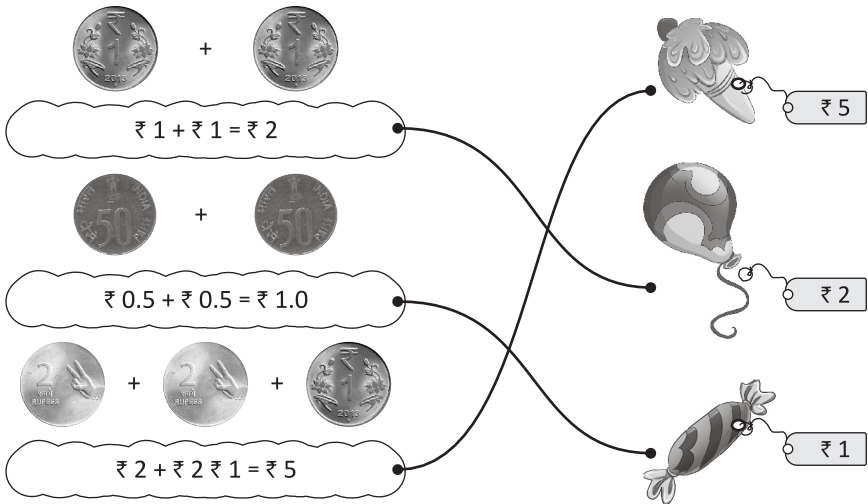
Circle the correct number of coins.

Ans.



Join the money to the object you can buy :

Ans.



Fill in the boxes :

Ans.

₹ 10 = ₹ 5 + ₹ 5

₹ 100 = ₹ 50 + ₹ 50

₹ 3 = ₹ 2 + ₹ 1

₹ 70 = ₹ 50 + ₹ 20

₹ 20 = ₹ 10 + ₹ 10

₹ 1000 = ₹ 500 + ₹ 500

₹ 8 = ₹ 5 + ₹ 3

₹ 2 = ₹ 1 + ₹ 1

Answer the following questions :

Ans.

1. How many paise are there in 1 rupee?
2. How many 10 rupees notes do you get for a fifty rupees note?
3. How many 10 rupees notes do you get for a hundred rupee note?
4. How many 2 rupees notes do you get for a twenty rupee note?

100 paise

5 notes

10 notes

10 notes



NEP SDGs for Qualitative Education

Draw bills to make enough money to buy the given item.

Ans. Do it yourself.

16

Time

The following pictures show the daily activities of Amar. Choose the correct word to complete the sentences given next to pictures. Also number the pictures in the correct order.



1

I wake up in the

_____.



(morning/evening).



5

I go to school in the

_____.



(morning/evening).



9

I go to bed in the

_____.



(day/night).



7

I play in the

_____.



(morning/evening).



3

I have my bath in the

_____.



(morning/evening).



4

I have my breakfast in the _____.



(morning/evening).



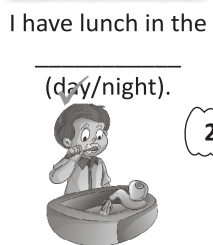
6

I have lunch in the

_____.



(day/night).



2

I brush my teeth in the

_____.



(morning/evening).

Read aloud the time shown in the given clocks :

Ans.



6 o'clock



8 o'clock



9 o'clock

Write the correct time under each clock :

Ans.



4:00



9:00



10:00



6:00



1:00



12:00



8:00



3:00

Fill in the blanks :

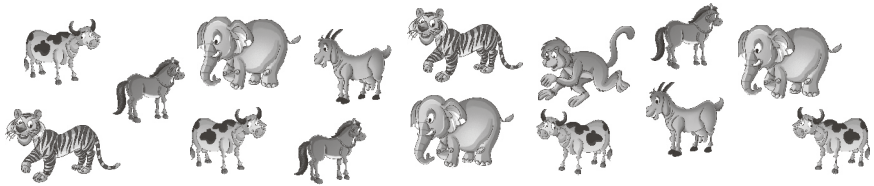
- Ans. JANUARY is the first month of the year.
 SEPTEMBER is the ninth month of the year.
 SUNDAY is the last day of the week.
 THURSDAY is the fourth day of the week.
 There are 365/366 days in a year.
 There are 12 months in a year.







17

Data Handling

Count and write.

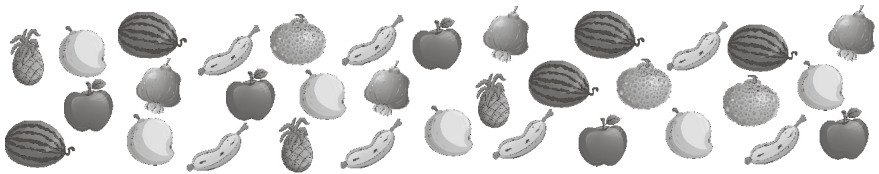
Ans.










Animal						
Number	4	3	3	2	2	1

Count and write the number of fruits.

Ans.



Fruit							
Number	6	5	5	7	3	4	3

Now, answer the following questions.

- Ans. a. There are five apples.
 b. There are six mangoes.
 c. There are three pineapples.
 d. Bananas are maximum in number.
 e. Oranges and pineapples are minimum in numbers.

Count and write :

Ans.

How many children have red pens?
 How many children have blue pens?
 How many children have pencils?

10 children
5 children
5 children

Number of

Ans.



You see, that from this pictorial representation, you have found out the number of various animals that Ravi saw in the zoo.

Given below are the names of children who are friends :

Count the number of letters in each name-word :

Ans.	Names	No. of letters
	V I B H A	5
	M U K U L	5
	B A S A N T	6
	M E G H A	5
	K O M A L	5
	S H O U R Y A	7
	P A N K A J	6
	R A V I	4
	M O N I	4
	A S H I S H	6

How many names have 4 letters?
 How many names have 5 letters?
 How many names have 6 letters?
 How many names have 7 letters?

2 Names
4 Names
3 Names
1 Name



NEP Adaptive Education

Count each animal. Record the results on the graph. :



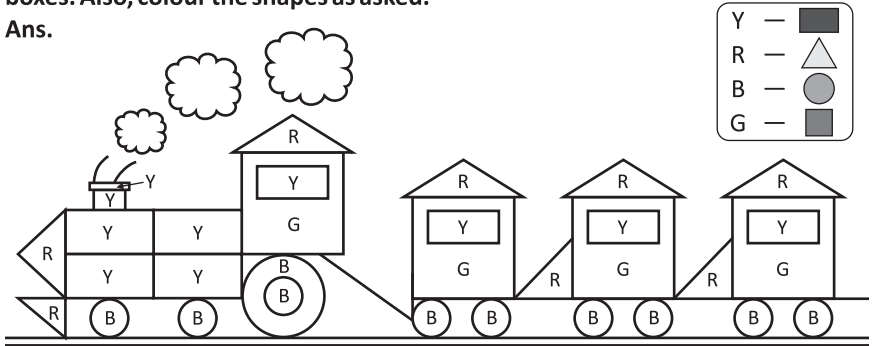
5				
4				
3				
2				
1				

How many are there? **4 bears**
 How many and altogether? **4 + 3 = 7**
 How many more than ? **4 - 2 = 2**



Look at the picture given below. Count the number of each shape and fill in the boxes. Also, colour the shapes as asked.

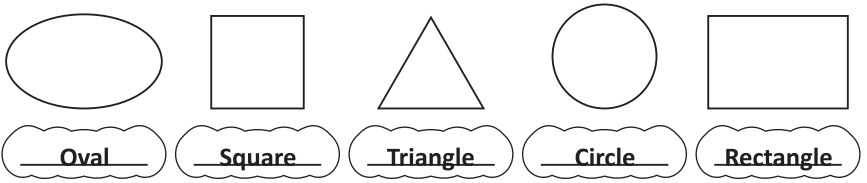
Ans.



Circles (10) Squares (4) Triangles (8) Rectangles (11)

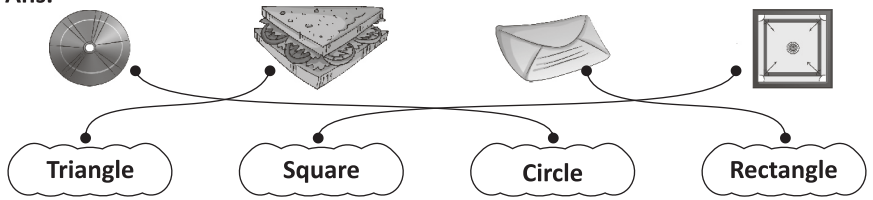
Trace the following shapes and name them.

Ans.



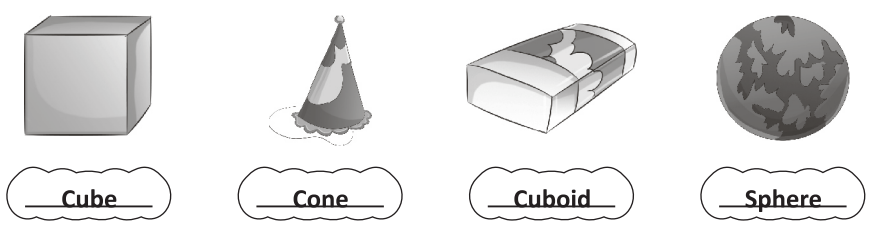
Match the following.

Ans.



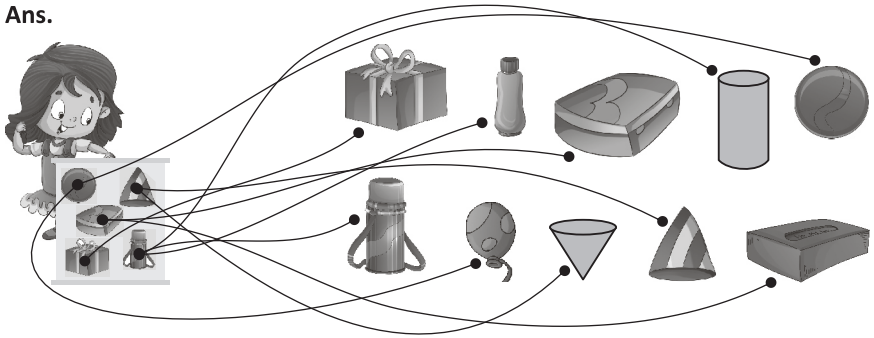
Identify the given solid shapes.

Ans.



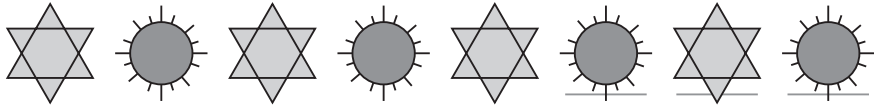
Sort shapes by joining with similar shapes.

Ans.



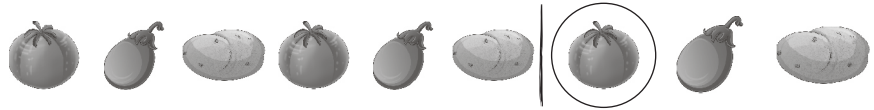
Complete the patterns and colour them.

Ans.



Circle the object that comes next.

Ans.



Observe and complete the pattern of numbers.

Ans.

2	4	6	8	10	12
3	6	9	12	15	18
5	9	13	17	21	25
37	32	27	22	17	12



NEP The 4Cs : Core Learning Skills

Color all the triangles green. How many triangles are there? 11

Color all the squares red. How many squares are there? 10

Color all the rectangles blue. How many rectangles are there? 9

Color all the ovals brown. How many ovals are there? 3

1

Number and Numeration

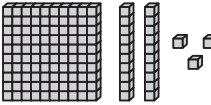
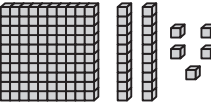
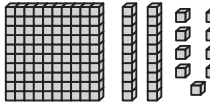
1. Look at the patterns and complete the grid :

Ans. a.	30	31	32	<u>33</u>	<u>34</u>	<u>35</u>	<u>36</u>
b.	80	78	76	<u>74</u>	<u>72</u>	<u>70</u>	<u>68</u>
c.	99	97	95	<u>93</u>	<u>91</u>	<u>89</u>	<u>87</u>
d.	41	43	45	<u>47</u>	<u>49</u>	<u>51</u>	<u>53</u>

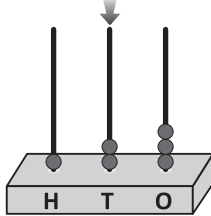
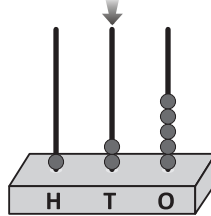
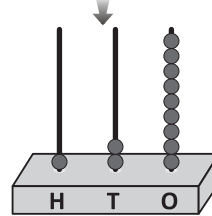
2. Write the number-names :

Ans. a.	23	<u>Twenty-three</u>	b.	86	<u>Eighty-six</u>
c.	57	<u>Fifty-seven</u>	d.	78	<u>Seventy-eight</u>
e.	69	<u>Sixty-nine</u>	f.	35	<u>Thirty-five</u>


1. Write the number-names and draw beads on abacus :

Ans. (a)  (b)  (c) 

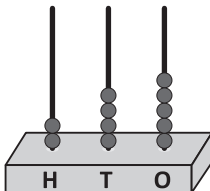
One hundred twenty-three One hundred twenty-five One hundred twenty-nine


2. Count and write the numbers :

Ans. (a)  =

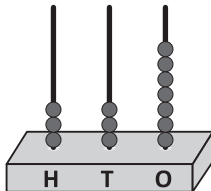
H	T	O
2	4	5




We read **245** as **Two hundred forty-five**.

(b)  =

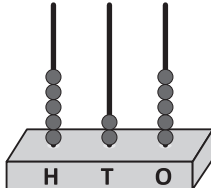
H	T	O
3	3	7



We read **337** as **Three hundred thirty-seven**.

(c)  =

H	T	O
5	2	5

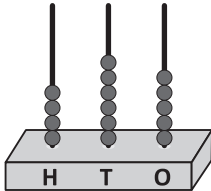
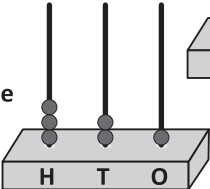


We read 525 as Five hundred twenty-five.

3. Write in hundreds, tens and ones. Then draw beads on the abacus :

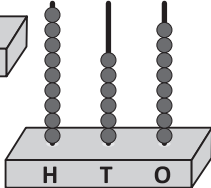
Ans.

(a) 465 4 hundreds + 6 tens + 5 ones

(b) 321 3 hundreds + 2 tens + 1 one

(c) 968 9 hundreds + 6 tens + 8 ones



4. Write number-names of the following numerals :

- Ans. (a) 525 Five hundred twenty-five.
 (b) 321 Three hundred twenty-one.
 (c) 961 Nine hundred sixty-one.
 (d) 825 Eight hundred twenty-five.

5. Write in numerals :

- Ans. (a) Six hundred sixty-six 666
 (b) Five hundred thirty-nine 539
 (c) One hundred eighty 180
 (d) Two hundred five 205



Numbers 101 to 200

Complete the number grid :

Ans.

101	102	103	104	105	106	107	108	109	110
111	112	113	114	115	116	117	118	119	120
121	122	123	124	125	126	127	128	129	130
131	132	133	134	135	136	137	138	139	140
141	142	143	144	145	146	147	148	149	150

151	152	153	154	155	156	157	158	159	160
161	162	163	164	165	166	167	168	169	170
171	172	173	174	175	176	177	178	179	180
181	182	183	184	185	186	187	188	189	190
191	192	193	194	195	196	197	198	199	200



Numbers 201 to 300

Complete the number grid :

Ans.

201	202	203	204	205	206	207	208	209	210
211	212	213	214	215	216	217	218	219	220
221	222	223	224	225	226	227	228	229	230
231	232	233	234	235	236	237	238	239	240
241	242	243	244	245	246	247	248	249	250
251	252	253	254	255	256	257	258	259	260
261	262	263	264	265	266	267	268	269	270
271	272	273	274	275	276	277	278	279	280
281	282	283	284	285	286	287	288	289	290
291	292	293	294	295	296	297	298	299	300



Numbers 301 to 400

Complete the number grid :

Ans.

301	302	303	304	305	306	307	308	309	310
311	312	313	314	315	316	317	318	319	320
321	322	323	324	325	326	327	328	329	330
331	332	333	334	335	336	337	338	339	340
341	342	343	344	345	346	347	348	349	350
351	352	353	354	355	356	357	358	359	360
361	362	363	364	365	366	367	368	369	370

371	372	373	374	375	376	377	378	379	380
381	382	383	384	385	386	387	388	389	390
391	392	393	394	395	396	397	398	399	400



Numbers 401 to 500

Complete the number grid :

Ans.

401	402	403	404	405	406	407	408	409	410
411	412	413	414	415	416	417	418	419	420
421	422	423	424	425	426	427	428	429	430
431	432	433	434	435	436	437	438	439	440
441	442	443	444	445	446	447	448	449	450
451	452	453	454	455	456	457	458	459	460
461	462	463	464	465	466	467	468	469	470
471	472	473	474	475	476	477	478	479	480
481	482	483	484	485	486	487	488	489	490
491	492	493	494	495	496	497	498	499	500



Numbers 501 to 600

Complete the number grid :

Ans.

501	502	503	504	505	506	507	508	509	510
511	512	513	514	515	516	517	518	519	520
521	522	523	524	525	526	527	528	529	530
531	532	533	534	535	536	537	538	539	540
541	542	543	544	545	546	547	548	549	550
551	552	553	554	555	556	557	558	559	560
561	562	563	564	565	566	567	568	569	570
571	572	573	574	575	576	577	578	579	580
581	582	583	584	585	586	587	588	589	590

591 592 593 594 595 596 597 598 599 600



Numbers 601 to 700

Complete the number grid :

Ans.

601	602	603	604	605	606	607	608	609	610
611	612	613	614	615	616	617	618	619	620
621	622	623	624	625	626	627	628	629	630
631	632	633	634	635	636	637	638	639	640
641	642	643	644	645	646	647	648	649	650
651	652	653	654	655	656	657	658	659	660
661	662	663	664	665	666	667	668	669	670
671	672	673	674	675	676	677	678	679	680
681	682	683	684	685	686	687	688	689	690
691	692	693	694	695	696	697	698	699	700



Numbers 701 to 800

Complete the number grid :

Ans.

701	702	703	704	705	706	707	708	709	710
711	712	713	714	715	716	717	718	719	720
721	722	723	724	725	726	727	728	729	730
731	732	733	734	735	736	737	738	739	740
741	742	743	744	745	746	747	748	749	750
751	752	753	754	755	756	757	758	759	760
761	762	763	764	765	766	767	768	769	770
771	772	773	774	775	776	777	778	779	780
781	782	783	784	785	786	787	788	789	790
791	792	793	794	795	796	797	798	799	800



Numbers 801 to 900

Complete the number grid :

Ans.

801	802	803	804	805	806	807	808	809	810
811	812	813	814	815	816	817	818	819	820
821	822	823	824	825	826	827	828	829	830
831	832	833	834	835	836	837	838	839	840
841	842	843	844	845	846	847	848	849	850
851	852	853	854	855	856	857	858	859	860
861	862	863	864	865	866	867	868	869	870
871	872	873	874	875	876	877	878	879	880
881	882	883	884	885	886	887	888	889	890
891	892	893	894	895	896	897	898	899	900



Numbers 901 to 1000

Complete the number grid :

Ans.

901	902	903	904	905	906	907	908	909	910
911	912	913	914	915	916	917	918	919	920
921	922	923	924	925	926	927	928	929	930
931	932	933	934	935	936	937	938	939	940
941	942	943	944	945	946	947	948	949	950
951	952	953	954	955	956	957	958	959	960
961	962	963	964	965	966	967	968	969	970
971	972	973	974	975	976	977	978	979	980
981	982	983	984	985	986	987	988	989	990
991	992	993	994	995	996	997	998	999	1000



Before, after and in between

1. What is the number before :

- Ans. (a) **701** 702 (b) **855** 856 (c) **377** 378
 (d) **920** 921 (e) **696** 697 (f) **438** 439

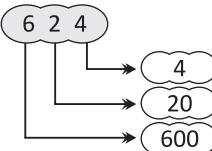
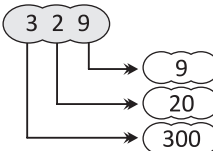
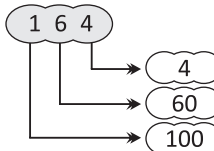
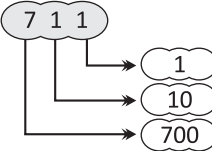
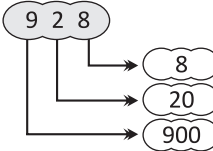
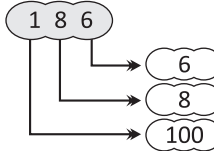
2. What is the number after :

- Ans. (a) 329 **330** (b) 616 **617** (c) 874 **875**
 (d) 971 **972** (e) 268 **269** (f) 377 **378**

3. What is the number in between :

- Ans. (a) 679 **680** 681 (b) 256 **257** 258 (c) 555 **556** 557
 (d) 608 **609** 610 (e) 890 **891** 892 (f) 101 **102** 103

1. Write the place value of each of the following digits :

- Ans. (a)  (b)  (c) 
 (d)  (e)  (f) 

2. Write T for true or F for false :

- Ans. (a) The place value of 7 in 700 is 7 ones.
 (b) The place value of 4 in 564 is 40.
 (c) The place value of 3 is bigger in 345 than in 603.
 (d) The place value of 1 is bigger in 216 than in 341.

- F**
F
T
T

3. Write the place value of coloured digit :

- Ans. (a) 8**2**4 (b) 9**6**1 (c) 2**1**3 (d) 6**4**1

20

900

3

40

1. Write each of the following in expanded form :

- Ans. (a) 421 = **400** + **20** + **1**
 (b) 621 = **600** + **20** + **1**
 (c) 719 = **700** + **10** + **9**
 (d) 826 = **800** + **20** + **6**
 (e) 427 = **400** + **20** + **7**
 (f) 638 = **600** + **30** + **8**
 (g) 511 = **500** + **10** + **1**

2. Write each of the following in short form :

- Ans. (a) $600 + 70 + 9 = 679$ (b) $100 + 10 + 5 = 115$
 (c) $500 + 80 + 5 = 585$ (d) $500 + 60 + 2 = 562$
 (e) $300 + 40 + 3 = 343$ (f) $800 + 90 + 6 = 896$
 (g) $400 + 50 + 4 = 454$ (h) $700 + 40 + 1 = 741$
 (i) $800 + 10 + 6 = 816$ (j) $400 + 40 + 4 = 444$

1. Put '>', '<' or '=' in the blank boxes :

- Ans. (a) $729 < 899$ (b) $817 < 999$ (c) $579 < 827$
 (d) $645 > 455$ (e) $303 < 313$ (f) $450 > 346$
 (g) $172 < 890$ (h) $668 = 668$ (i) $390 > 309$

2. Encircle the greatest number in each row :

- Ans. (a) 383 285 438 624 785
 (b) 615 924 715 645 362
 (c) 833 584 267 450 689
 (d) 729 890 872 463 172

3. Write True or False :

- Ans. (a) $125 < 625$ True (b) $314 < 519$ True
 (c) $721 < 921$ True (d) $469 < 621$ True
 (e) $654 = 152$ False (f) $702 > 541$ True

4. Encircle the numbers less than 500 :

- Ans.

612	314	621	521	214
827	479	315	621	571
165	615	600	129	424

5. Encircle the numbers greater than 500 :

- Ans.

129	629	477	789	419
814	275	421	561	622
552	125	686	444	600

Arrange the numbers in ascending order :

- Ans. (a) 16, 22, 25, 17, 19 $16 < 17 < 19 < 22 < 25$
 (b) 20, 21, 17, 15, 24 $15 < 17 < 20 < 21 < 24$
 (c) 63, 72, 57, 48, 30 $30 < 48 < 57 < 63 < 72$
 (d) 51, 78, 15, 79, 55 $15 < 51 < 55 < 78 < 79$
 (e) 124, 121, 137, 140, 190 $121 < 124 < 137 < 140 < 190$
 (f) 224, 615, 727, 164, 827 $164 < 224 < 615 < 727 < 827$
 (g) 564, 612, 317, 914, 216 $216 < 317 < 564 < 612 < 914$
 (h) 824, 417, 562, 913, 939 $417 < 562 < 824 < 913 < 939$

Arrange the numbers in descending order :

Ans. (a) 14, 17, 50, 16, 19

(b) 72, 48, 70, 79, 50

(c) 76, 21, 45, 69, 84

(d) 16, 45, 55, 79, 31

(e) 251, 148, 547, 642, 729

(f) 890, 872, 413, 172, 573

(g) 219, 120, 525, 719, 645

(h) 485, 819, 645, 455, 890

$50 > 19 > 17 > 16 > 14$

$79 > 72 > 70 > 50 > 48$

$84 > 76 > 69 > 45 > 21$

$79 > 55 > 45 > 31 > 16$

$729 > 642 > 547 > 251 > 148$

$890 > 872 > 573 > 413 > 172$

$719 > 645 > 525 > 219 > 120$

$890 > 819 > 645 > 485 > 455$

Write the smallest and the greatest 3-digit numbers using the digits given below :

Ans.	Digits	Smallest Number	Greatest Number
(a)	3, 0, 5	305	530
(b)	6, 7, 1	167	761
(c)	8, 2, 4	248	842
(d)	5, 6, 9	569	965
(e)	7, 1, 6	167	761
(f)	5, 6, 9	569	965
(g)	2, 0, 1	102	210
(h)	8, 6, 0	608	860
(i)	9, 7, 5	579	975
(j)	6, 0, 9	609	960

MCQs

Tick (✓) the correct option :

- Ans. 1. Which is the greatest in the following?
c. 419
2. $800 + 5 =$ _____.
a. 805
3. Which of the following is an even number.
a. 520
4. The short form of $900 + 30 + 6$ is :
b. 936
5. The face value of 5 in 856 is :
c. 5



Colour the numbers :

Ans.

844 Green	465 Red	297 Yellow	201 Red	790	794 Red
666 Green	745 Yellow	995	287 Red	886 Red	81 Yellow
786	385 Yellow	370 Green	488	67	375 Green
295 Green	395	887 Red	501	181 Yellow	752 Yellow
405 Red	783	51	259	520 Green	845 Green
840 Yellow	710	361 Yellow	684 Red	426	673

2

Ordinal Numbers

Look at these pictures and fill in the blanks.

- Ans.
- The apple is at the **first** place.
 - The cow is at the **second** place.
 - The duck is at the **ninth** place.
 - The dog is at the **eighth** place.
 - The hen is at the **eleventh** place.
 - The horse is at the **seventh** place.
 - The goat is at the **fifth** place.
 - The cat is at the **tenth** place.
 - The carrot is at the **forth** place.
 - The giraffe is at the **twelfth** place.
 - The elephant is the **third** place.
 - The grapes are at the **sixth** place.



Exercise

Fill in the boxes :

Ans.

$5 + 3 = 3 + 5$

$7 + 13 = 13 + 7$

$8 + 4 = 4 + 8$

$76 + 4 = 4 + 76$

$35 + 5 = 5 + 35$

$17 + 5 = 5 + 17$

$11 + 4 = 4 + 11$

$8 + 0 = 0 + 8$

$7 + 0 = 7 + 0$

$11 + 7 = 7 + 11$

$15 + 1 = 1 + 15$

$17 + 1 = 1 + 17$

$26 + 1 = 1 + 26$

$45 + 46 = 46 + 45$



Fill in the circles :

Ans.

$(6 + 3) + 4 = 6 + (3 + 4)$

$(3 + 5) + 2 = 3 + (5 + 2)$

$(2 + 4) + 12 = 2 + (4 + 12)$

$(11 + 4) + 6 = 11 + (4 + 6)$

$3 + (8 + 5) = (3 + 8) + 5$

$4 + (15 + 19) = (4 + 15) + 19$

$27 + (14 + 25) = (27 + 14) + 25$

Add the following :

Ans.

$$\begin{array}{r} 4 \\ 3 \\ +1 \\ \hline 8 \end{array}$$

$$\begin{array}{r} 6 \\ 2 \\ +1 \\ \hline 9 \end{array}$$

$$\begin{array}{r} 1\ 1 \\ 2\ 2 \\ +3\ 3 \\ \hline 6\ 6 \end{array}$$

$$\begin{array}{r} 1\ 2 \\ 1\ 4 \\ +2\ 2 \\ \hline 4\ 8 \end{array}$$

$$\begin{array}{r} 3 \\ 3 \\ +2 \\ \hline 8 \end{array}$$

$$\begin{array}{r} 3 \\ 2 \\ +4 \\ \hline 9 \end{array}$$

$$\begin{array}{r} 2 \ 2 \\ 4 \ 1 \\ +1 \ 1 \\ \hline 7 \ 4 \end{array}$$

$$\begin{array}{r} 4 \ 4 \\ 1 \ 2 \\ +1 \ 3 \\ \hline 6 \ 9 \end{array}$$

$$\begin{array}{r} 4 \ 0 \\ 2 \ 6 \\ +1 \ 3 \\ \hline 7 \ 9 \end{array}$$

$$\begin{array}{r} 3 \ 3 \\ 1 \ 2 \\ +2 \ 4 \\ \hline 6 \ 9 \end{array}$$

Exercise

Add the following :

Ans. a. Add 288 and 111.

$$\begin{array}{r} 288 \longrightarrow 2 \text{ hundreds } \quad 8 \text{ tens } \quad 8 \text{ ones} \\ + 111 \longrightarrow + 1 \text{ hundreds } \quad 1 \text{ tens } \quad 1 \text{ ones} \\ \hline = 3 \text{ hundreds } \quad 9 \text{ tens } \quad 9 \text{ ones} \end{array}$$

So, $288 + 111 = 399$

b. Add 174 and 425.

$$\begin{array}{r} 174 \longrightarrow 1 \text{ hundreds } \quad 7 \text{ tens } \quad 4 \text{ ones} \\ + 425 \longrightarrow + 4 \text{ hundreds } \quad 2 \text{ tens } \quad 5 \text{ ones} \\ \hline = 5 \text{ hundreds } \quad 9 \text{ tens } \quad 9 \text{ ones} \end{array}$$

So, $174 + 425 = 599$

Exercise

Add :

Ans.

$$\begin{array}{r} \text{H} \ \text{T} \ \text{O} \\ 1 \ 4 \ 2 \\ +2 \ 1 \ 5 \\ \hline 3 \ 5 \ 7 \end{array}$$

$$\begin{array}{r} \text{H} \ \text{T} \ \text{O} \\ 2 \ 3 \ 2 \\ +4 \ 1 \ 2 \\ \hline 6 \ 4 \ 4 \end{array}$$

$$\begin{array}{r} \text{H} \ \text{T} \ \text{O} \\ 1 \ 2 \ 4 \\ +3 \ 2 \ 3 \\ \hline 4 \ 4 \ 7 \end{array}$$

$$\begin{array}{r} \text{H} \ \text{T} \ \text{O} \\ 3 \ 1 \ 1 \\ +1 \ 2 \ 2 \\ \hline 4 \ 3 \ 3 \end{array}$$

$$\begin{array}{r} \text{H} \ \text{T} \ \text{O} \\ 4 \ 3 \ 6 \\ +1 \ 6 \ 3 \\ \hline 5 \ 9 \ 9 \end{array}$$

$$\begin{array}{r} \text{H} \ \text{T} \ \text{O} \\ 1 \ 2 \ 3 \\ +1 \ 2 \ 2 \\ \hline 2 \ 4 \ 5 \end{array}$$

$$\begin{array}{r} \text{H} \ \text{T} \ \text{O} \\ 3 \ 1 \ 6 \\ +3 \ 3 \ 2 \\ \hline 6 \ 4 \ 8 \end{array}$$

$$\begin{array}{r} \text{H} \ \text{T} \ \text{O} \\ 2 \ 0 \ 3 \\ +1 \ 1 \ 2 \\ \hline 3 \ 1 \ 5 \end{array}$$

Add :

Ans.

$$\begin{array}{r} \text{H} \ \text{T} \ \text{O} \\ 1 \ 2 \ 2 \\ +2 \ 3 \ 4 \\ +1 \ 3 \ 3 \\ \hline 4 \ 8 \ 9 \end{array}$$

$$\begin{array}{r} \text{H} \ \text{T} \ \text{O} \\ 2 \ 0 \ 0 \\ +3 \ 4 \ 1 \\ +1 \ 0 \ 7 \\ \hline 6 \ 4 \ 8 \end{array}$$

$$\begin{array}{r} \text{H} \ \text{T} \ \text{O} \\ 4 \ 0 \ 1 \\ +2 \ 0 \ 5 \\ +1 \ 8 \ 1 \\ \hline 7 \ 8 \ 7 \end{array}$$

$$\begin{array}{r} \text{H} \ \text{T} \ \text{O} \\ 2 \ 4 \ 1 \\ +5 \ 0 \ 3 \\ +1 \ 1 \ 4 \\ \hline 8 \ 5 \ 8 \end{array}$$

$$\begin{array}{r} \text{H} \ \text{T} \ \text{O} \\ 2 \ 0 \ 2 \\ +4 \ 3 \ 2 \\ +3 \ 0 \ 5 \\ \hline 9 \ 3 \ 9 \end{array}$$

$$\begin{array}{r} \text{H} \ \text{T} \ \text{O} \\ 2 \ 1 \ 5 \\ +2 \ 1 \ 0 \\ +4 \ 3 \ 4 \\ \hline 8 \ 5 \ 9 \end{array}$$

$$\begin{array}{r} \text{H} \ \text{T} \ \text{O} \\ 5 \ 5 \ 2 \\ +1 \ 1 \ 5 \\ +2 \ 1 \ 1 \\ \hline 8 \ 7 \ 8 \end{array}$$

$$\begin{array}{r} \text{H} \ \text{T} \ \text{O} \\ 1 \ 1 \ 1 \\ +3 \ 0 \ 5 \\ +3 \ 4 \ 2 \\ \hline 7 \ 5 \ 8 \end{array}$$



Word Problems

- Ans.** 1. No. of deer in the zoo = 412
And, no. of tigers in the zoo = 175
So, the total number of animals in the zoo = $412 + 175 = 587$.

H	T	O
4	1	2
+ 1	7	5
5	8	7

2. A clock seller had clocks = 400
He bought more clocks = 252
So, total number of clock with the clock seller = $400 + 252 = 652$.

H	T	O
4	0	0
+ 2	5	2
6	5	2

3. A shopkeeper had chocolates = 740 packets
And, he had toffees = 346 Packets
So, total number of packets with the shopkeeper = $740 + 346 = 1086$.

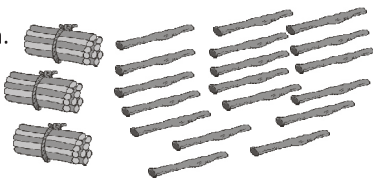
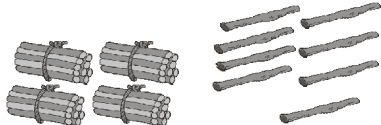
H	T	O
7	4	0
+ 3	4	6
10	8	6

4. No. of boys in the school = 645
And, no. of girls in the school = 281
So, total number of students in the school = $645 + 281 = 926$.

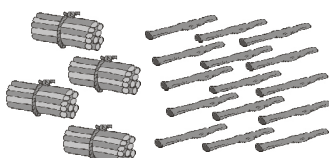
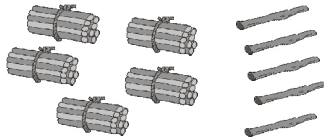
H	T	O
6	4	5
+ 2	8	1
9	2	6

Regroup the following :

Ans.

a.  

3 tens 18 ones is the same as \rightarrow 4 tens + 8 ones.

b.  

4 tens 15 ones is the same as \rightarrow 5 tens + 5 ones.

c.  

2 tens 13 ones is the same as \rightarrow 3 tens + 3 ones.

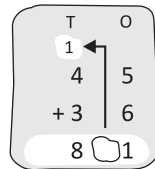
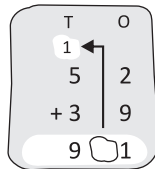
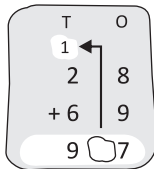
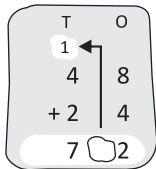
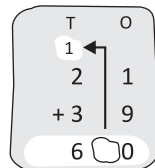
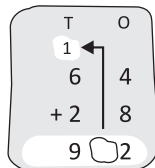
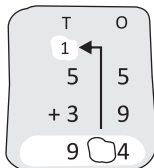
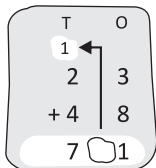
Fill in the blanks :

- Ans. a. 14 ones = **1** ten + **4** ones
 b. 15 ones = **1** ten + **5** ones
 c. 18 ones = **1** ten + **8** ones
 d. 25 ones = **2** tens + **5** ones
 e. 36 ones = **3** tens + **6** ones
 f. 2 tens 14 ones = **3** tens + **4** ones
 g. 8 tens + 16 ones = **9** tens + **6** ones
 h. 3 tens + 15 ones = **4** tens + **5** ones
 i. 8 tens + 12 ones = **9** tens + **2** ones
 j. 1 ten + 13 ones = **2** tens + **3** ones
 k. 2 tens + 18 ones = **3** tens + **8** ones
 l. 3 tens + 14 ones = **4** tens + **4** ones
 m. 6 tens + 12 ones = **7** tens + **2** ones
 n. 7 tens + 16 ones = **8** tens + **6** ones

Exercise

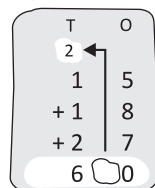
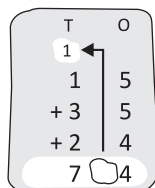
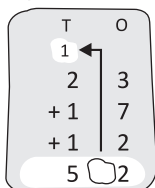
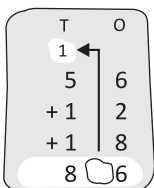
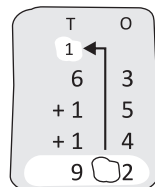
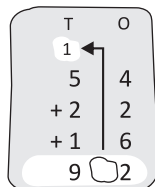
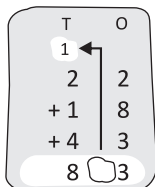
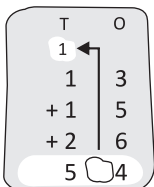
Add and regroup :

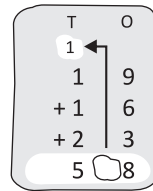
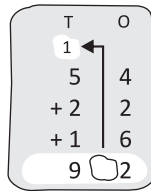
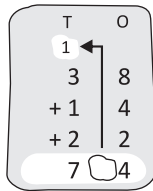
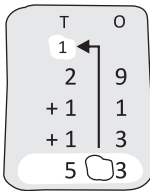
Ans.



Add and regroup :

Ans.





Multiple Intelligence

There are five players who played 5 games. Read their scores and add each one's scores. Who is the winner of the series?

	Sameer	Ruhi	Nicky	Deepak	Rahul
Game 1	4	0	0	6	4
Game 2	8	0	6	2	0
Game 3	4	4	2	2	1
Game 4	4	6	0	2	0
Game 5	10	10	1	4	6
Total	30	20	9	16	11

So, Sameer is the winner of the series.

MCQs

Tick (✓) the correct option :

- Ans. 1. $76 + 13 =$ _____
 a. 89
2. $96 + 19 =$ _____
 b. 115
3. $235 + 419 =$ _____
 a. 654

Exercise

Subtract :

Ans.

$13 - 0 = 13$

$15 - 1 = 14$

$22 - 0 = 22$

$36 - 0 = 36$

$22 - 2 = 20$

$16 - 4 = 12$

$46 - 6 = 40$

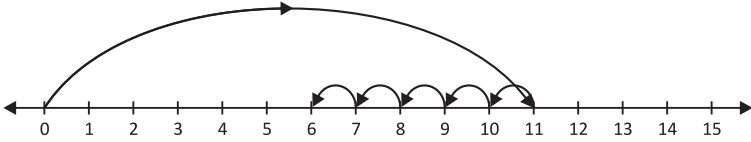
$19 - 9 = 10$

$11 - 9 = 2$

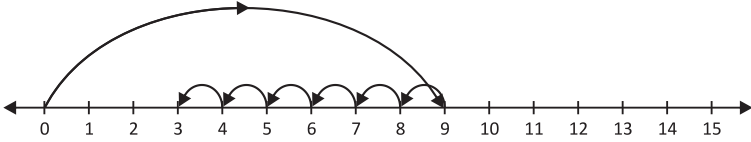
Exercise

Subtract with the help of number line :

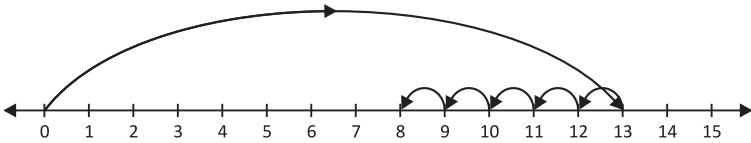
Ans.



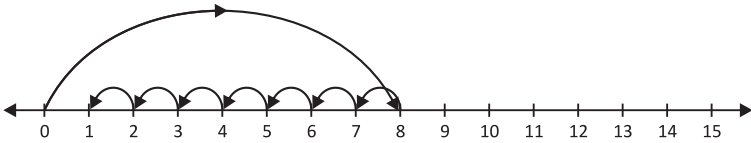
$11 - 5 = 6$



$9 - 6 = 3$



$13 - 5 = 8$



$8 - 7 = 1$

Exercise

Fill in the circles:

Ans.

$$\begin{array}{r} 7 \\ - 0 \\ \hline 7 \end{array}$$

$$\begin{array}{r} 1 \\ - 0 \\ \hline 1 \end{array}$$

$$\begin{array}{r} 4 \\ - 4 \\ \hline 0 \end{array}$$

$$\begin{array}{r} 5 \\ - 0 \\ \hline 5 \end{array}$$

$$\begin{array}{r} 19 \\ - 0 \\ \hline 19 \end{array}$$

$$\begin{array}{r} 17 \\ - 0 \\ \hline 17 \end{array}$$

$$\begin{array}{r} 8 \\ - 0 \\ \hline 8 \end{array}$$

$$\begin{array}{r} 2 \\ - 0 \\ \hline 2 \end{array}$$

$$\begin{array}{r} 11 \\ - 0 \\ \hline 11 \end{array}$$

Exercise

Arrange and subtract:

Ans.

$98 - 42$

T	O
9	8
-4	2
5	6

$36 - 12$

T	O
3	6
-1	2
2	4

$58 - 36$

T	O
5	8
-3	6
2	2

$54 - 43$

T	O
5	4
-4	3
1	1

$28 - 16$

T	O
2	8
-1	6
1	2

$86 - 32$

T	O
8	6
-3	2
5	4

$50 - 20$

T	O
5	0
-2	0
3	0

$85 - 45$

T	O
8	5
-4	5
4	0

$60 - 30$

T	O
6	0
-3	0
3	0

$49 - 42$

T	O
4	9
-4	2
0	7

Exercise

Subtract:

Ans.

H	T	O
5	2	4
-4	2	3
1	0	1

H	T	O
3	6	8
-2	4	3
1	2	5

H	T	O
8	9	3
-6	2	1
2	7	2

H	T	O
5	8	3
-1	2	3
4	6	0

H	T	O
7	6	9
-5	4	2
2	2	7

H	T	O
2	9	6
-2	2	3
0	7	3

H	T	O
3	6	3
-1	4	2
2	2	1

H	T	O
4	6	3
-4	4	2
0	2	1

H	T	O
3	6	6
-1	6	2
2	0	4

H	T	O
4	7	6
-3	2	4
1	5	2

Exercise

Fill in the blanks:

$467 \rightarrow 4 \text{ hundreds} + 6 \text{ tens} + 7 \text{ ones} \rightarrow 400 + 60 + 7$

$- 252 \rightarrow 2 \text{ hundreds} + 5 \text{ tens} + 2 \text{ ones} \rightarrow 200 + 50 + 2$

$\underline{\hspace{1cm}} \rightarrow 2 \text{ hundreds} + 1 \text{ tens} + 5 \text{ ones} \rightarrow 200 + 10 + 5$

$= 215$

$= 215$

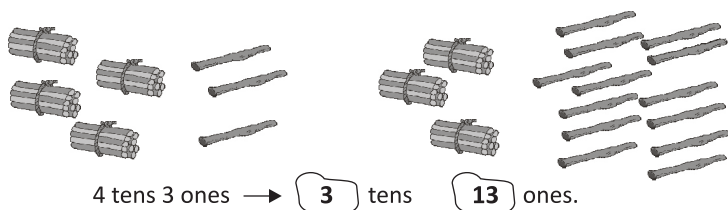
$$\begin{array}{r}
 548 \rightarrow 5 \text{ hundreds} + 4 \text{ tens} + 8 \text{ ones} \rightarrow 500 + 40 + 8 \\
 - 317 \rightarrow 3 \text{ hundreds} + 1 \text{ tens} + 7 \text{ ones} \rightarrow 300 + 10 + 7 \\
 \hline
 2 \text{ hundreds} + 3 \text{ tens} + 1 \text{ ones} \rightarrow 200 + 30 + 1 \\
 = 231
 \end{array}$$

$$\begin{array}{r}
 792 \rightarrow 7 \text{ hundreds} + 9 \text{ tens} + 2 \text{ ones} \rightarrow 700 + 90 + 2 \\
 - 242 \rightarrow 2 \text{ hundreds} + 4 \text{ tens} + 2 \text{ ones} \rightarrow 200 + 40 + 2 \\
 \hline
 5 \text{ hundreds} + 5 \text{ tens} + 0 \text{ ones} \rightarrow 500 + 50 + 0 \\
 = 550
 \end{array}$$

Exercise

Convert one ten into ones. Write the remaining tens and ones in the blanks :

Ans. a.



Exercise

Subtract :

Ans.

T	O
2	12
3	2
-1	6
1	6

T	O
8	16
9	6
-1	8
7	8

T	O
7	17
8	7
-1	9
6	8

T	O
3	16
4	6
-1	8
2	8

T	O
4	16
5	6
-2	9
2	7

T	O
3	18
4	8
-2	9
1	9

T	O
6	16
7	6
-3	8
3	8

T	O
3	14
4	4
-2	7
1	7

T	O
5	12
6	2
-2	8
3	4

T	O
5	12
6	2
-4	5
1	7



Word Problems

- Sonia Planted trees = 23
And, Priya Planted trees = 21
Clearly show that, Sonia planted more trees.
 $\therefore 23 - 21 = 2$.
Hence, Sonia Planted 2 More trees than Priya Planted.
- Total no. of persons in Party = 89
No. of persons who drank coffee = 35
So, No. of persons who drank tea
 $= 89 - 35 = 54$.

T	O
2	3
-2	1
0	2

T	O
8	9
-3	5
5	4

3. Total no. of books in a library = 469
 And, no. of books written in English = 263
 So, the no. of books written in other languages = $469 - 263 = 206$.

H	T	O
4	6	9
-2	6	3
2	0	6

4. Kareena had money = ₹ 255
 And, she gave to her son = ₹ 205
 So, left money with her = ₹ $255 - ₹ 205$
 = ₹ 50.

H	T	O
2	5	5
-2	0	5
0	5	0

5. Factory produced cars on Friday = 52
 And, factory produced cars on Saturday = 70
 More cars Produced on Saturday = $70 - 52$
 = 18

T	O
6	10
7	0
-5	2
1	8

Hence, 18 cars more produced on Saturday than Friday.

Exercise

Find the difference and check your answers using addition :

Ans.

-	$\begin{array}{r} \overset{4}{\cancel{5}} \quad \overset{16}{\cancel{6}} \\ 3 \quad 7 \\ 1 \quad 9 \end{array}$	+	$\begin{array}{r} \overset{1}{1} \quad 9 \\ 3 \quad 7 \\ 5 \quad 6 \end{array}$	-	$\begin{array}{r} \overset{5}{\cancel{6}} \quad \overset{14}{\cancel{4}} \\ 4 \quad 7 \\ 1 \quad 7 \end{array}$	+	$\begin{array}{r} \overset{1}{1} \quad 7 \\ 4 \quad 7 \\ 6 \quad 4 \end{array}$
-	$\begin{array}{r} \overset{7}{\cancel{8}} \quad \overset{16}{\cancel{6}} \\ 3 \quad 9 \\ 4 \quad 7 \end{array}$	+	$\begin{array}{r} \overset{1}{4} \quad 7 \\ 3 \quad 9 \\ 8 \quad 6 \end{array}$	-	$\begin{array}{r} \overset{5}{\cancel{6}} \quad \overset{13}{\cancel{3}} \\ 3 \quad 4 \\ 2 \quad 9 \end{array}$	+	$\begin{array}{r} \overset{1}{2} \quad 9 \\ 3 \quad 4 \\ 6 \quad 3 \end{array}$



NEP The 4Cs : Core Learning Skills

What has a mouth but never eats?

Ans.

2	4	0
-2	3	6
0	0	4

2	4	0
-2	3	6
0	0	4

2	4	0
-2	3	6
0	0	4

2	4	0
-2	3	6
0	0	4

MCQs

Tick (✓) the correct option :

- Ans. 1. If $96 - 87 = 9$, then $96 - 9 =$ _____
 a. 87

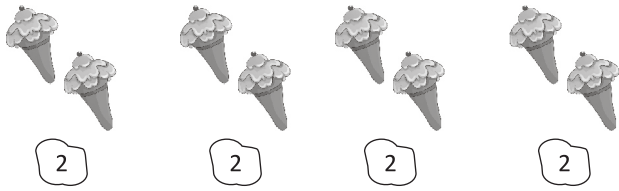
2. _____ - 0 = 74
 b. 74 c. 1
3. 63 - 52 = _____
 a. 11
4. 155 - 155 = _____
 a. 0
5. The number which is to be subtracted is called _____.
 c. subtrahend

5

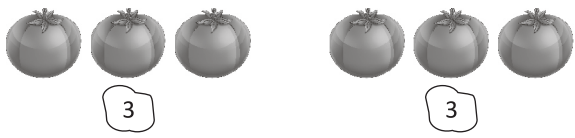
Multiplication

Add the things in the groups to find out :

Ans.



2 2 2 2

$$\begin{array}{r} 2 + 2 + 2 + 2 \\ \hline 2 \text{ fours are } \underline{8} \end{array}$$


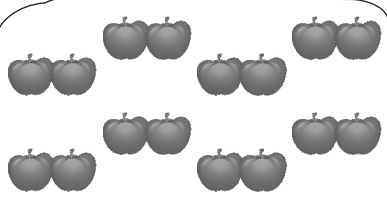
3 3

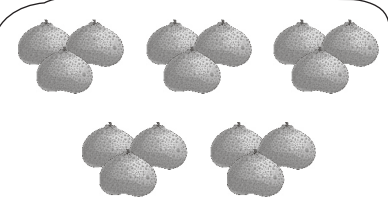
$$\begin{array}{r} 3 + 3 \\ \hline 3 \text{ twos are } \underline{6} \end{array}$$

Exercise

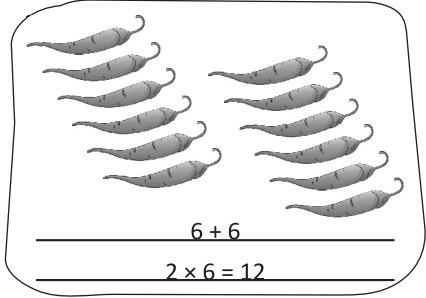
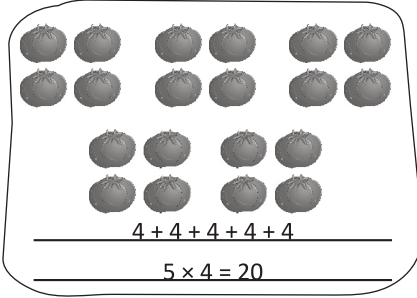
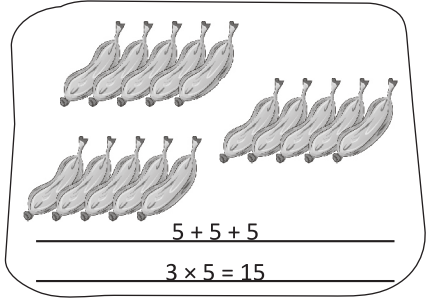
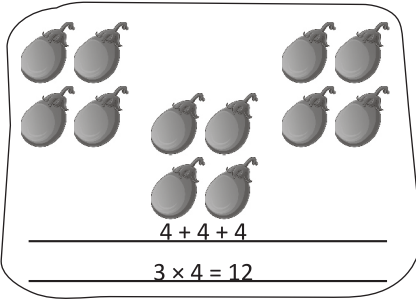
Write as addition and multiplication :

Ans.



$$\begin{array}{r} 2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 = 16 \\ \hline 8 \times 2 = 16 \end{array}$$


$$\begin{array}{r} 3 + 3 + 3 + 3 + 3 \\ \hline 5 \times 3 = 15 \end{array}$$



Exercise

Write what term is the coloured digit?

Ans.

$5 \times 3 = 15$

$7 \times 4 = 28$

$2 \times 4 = 8$

$3 \times 3 = 9$

$7 \times 3 = 21$

$5 \times 8 = 40$

$7 \times 5 = 35$

$8 \times 6 = 48$

Product

Multiplicand

Multiplier

Multiplicand

Multiplier

Product

Product

Multiplicand

Exercise

Fill in the boxes :

Ans.



Or,

$3 \times 4 = 12$



Or,

$2 \times 4 = 8$



4 sets of 2 is 8

Or, $4 \times 2 = 8$



2 sets of 4 is 8

Or, $2 \times 4 = 8$

Exercise
Multiply:

Ans.

T	O
5	
× 6	
3 0	

T	O
7	
× 4	
2 8	

T	O
9	
× 5	
4 5	

T	O
4	
× 3	
1 2	

T	O
2	
× 5	
1 0	

T	O
8	
× 3	
2 4	

T	O
3	
× 4	
1 2	

T	O
2	
× 7	
1 4	

T	O
5	
× 4	
2 0	

T	O
9	
× 9	
8 1	

T	O
3	
× 2	
6	

T	O
2	
× 8	
1 6	

T	O
7	
× 6	
4 2	

T	O
6	
× 5	
3 0	

T	O
2	
× 4	
8	

T	O
8	
× 5	
4 0	

T	O
4	
× 6	
2 4	

T	O
6	
× 2	
1 2	

Exercise
Multiply:

Ans.

H	T	O
3	2	1
× 2		
6	4	2

H	T	O
1	0	3
× 2		
2	0	6

H	T	O
4	1	1
× 1		
4	1	1

H	T	O
2	3	2
× 3		
6	9	6

H	T	O
1	1	2
× 4		
4	4	8

H	T	O
2	2	3
× 3		
6	6	9

H	T	O
3	2	3
× 2		
6	4	6

H	T	O
4	0	4
× 2		
8	0	8

H	T	O
1	0	1
× 9		
9	0	9

H	T	O
3	3	3
× 3		
9	9	9



Word Problems (Without Carrying)

1. There are 7 days in a week. How many days are there in 8 weeks?

7 × 8 = 56

There are 56 days in 8 weeks.

2. A bus has 4 wheels. How many wheels are there in 7 buses?

4 × 7 = 28

There are 28 wheels in 7 buses.

3. A man works 5 hours daily. How many hours will he work in 3 days?

$$\underline{5} \quad \times \quad \underline{3} \quad = \quad \underline{15}$$

He will work 15 hours in 3 days.

4. Tanisha invited 9 friends on her birthday. She gave 5 toffees to each of her friends. How many toffees did she distribute?

$$\underline{9} \quad \times \quad \underline{5} \quad = \quad \underline{45}$$

She distributes 45 toffees in all.



Multiple Intelligence

136	284	46	429	636	652	486
V	W	S	T	A	R	E

Solve the following problems and decode the message as per the code given in the box. Write the message in the balloon.



$$\begin{array}{r} 23 \\ \times 2 \\ \hline 46 \end{array}$$

$$\begin{array}{r} \textcircled{1} \\ 318 \\ \times 2 \\ \hline 636 \end{array}$$

$$\begin{array}{r} \textcircled{1} \\ 34 \\ \times 4 \\ \hline 136 \end{array}$$

$$\begin{array}{r} \textcircled{1} \\ 162 \\ \times 3 \\ \hline 486 \end{array}$$

$$\begin{array}{r} 142 \\ \times 2 \\ \hline 284 \end{array}$$

$$\begin{array}{r} 212 \\ \times 3 \\ \hline 636 \end{array}$$

$$\begin{array}{r} \textcircled{1} \\ 143 \\ \times 3 \\ \hline 429 \end{array}$$

$$\begin{array}{r} 243 \\ \times 2 \\ \hline 486 \end{array}$$

$$\begin{array}{r} \textcircled{2} \textcircled{1} \\ 163 \\ \times 4 \\ \hline 652 \end{array}$$

MCQs

Tick (✓) the correct option :

- Ans. 1. $5 \times \square = 5$
 a. 1
 2. What is '5 times 8'?'
 c. 40
 3. $7 \times 1 = \underline{\quad}$
 c. 7
 4. $8 \times 9 = \underline{\quad} \times 8$
 b. 9

6

Addition and Subtraction of Bigger Numbers

Exercise

Add the following :

Ans.

$$\begin{array}{r} \text{H T O} \\ 300 \\ + 200 \\ \hline 500 \end{array}$$

$$\begin{array}{r} \text{H T O} \\ 724 \\ + 135 \\ \hline 859 \end{array}$$

$$\begin{array}{r} \text{H T O} \\ 243 \\ + 622 \\ \hline 865 \end{array}$$

$$\begin{array}{r} \text{H T O} \\ 240 \\ + 200 \\ \hline 440 \end{array}$$

$$\begin{array}{r} \text{H T O} \\ 164 \\ + 222 \\ \hline 386 \end{array}$$

$$\begin{array}{r} \text{H T O} \\ 625 \\ + 252 \\ \hline 877 \end{array}$$

Exercise

Add together and fill in the circles :

Ans.

$$\begin{array}{r} \text{H T O} \\ 247 \\ + 584 \\ \hline 8\bigcirc3\bigcirc1 \end{array}$$

$$\begin{array}{r} \text{H T O} \\ 337 \\ + 298 \\ \hline 6\bigcirc3\bigcirc5 \end{array}$$

$$\begin{array}{r} \text{H T O} \\ 654 \\ + 289 \\ \hline 9\bigcirc4\bigcirc3 \end{array}$$

$$\begin{array}{r} \text{H T O} \\ 432 \\ + 179 \\ \hline 6\bigcirc1\bigcirc1 \end{array}$$

$$\begin{array}{r} \text{H T O} \\ 194 \\ + 638 \\ \hline 8\bigcirc3\bigcirc2 \end{array}$$

$$\begin{array}{r} \text{H T O} \\ 627 \\ + 294 \\ \hline 9\bigcirc2\bigcirc1 \end{array}$$

$$\begin{array}{r} \text{H T O} \\ 537 \\ + 489 \\ \hline 10\bigcirc2\bigcirc6 \end{array}$$

$$\begin{array}{r} \text{H T O} \\ 746 \\ + 185 \\ \hline 9\bigcirc3\bigcirc1 \end{array}$$



Word Problems

- Preeti read on Monday = 123 Pages
She read on Tuesday = 148 Pages more
 $= 123 + 148 = 271$
Hence, Preti read 271 pages on Tuesday.
- Amar saved money = ₹ 134
And, vidhy saved money = ₹ 157
So, total money saved by them
in all = ₹ 134 + ₹ 157 = ₹ 291
- People visited the bank in the morning = 256
And, people visited the bank in the afternoon = 187
So, total no. of people went to
the bank in all = 256 + 187 = 443 people.

$$\begin{array}{r} \text{H T O} \\ 123 \\ + 148 \\ \hline 271 \end{array}$$

$$\begin{array}{r} \text{H T O} \\ 134 \\ + 157 \\ \hline 291 \end{array}$$

$$\begin{array}{r} \text{H T O} \\ 256 \\ + 187 \\ \hline 443 \end{array}$$

4. Hari has cows = 157
 He has sheep = 243
 And, he has hens = 364
 So total number of animals in hari's
 form = $157 + 243 + 364 = 764$ animals.

H	T	O
1	5	7
2	4	3
+	3	6
7	6	4

5. Raju reads a book in one day = 153 pages
 And, he reads remaining book in next day = 129 pages
 So, total number of pages in the
 book = $153 + 129 = 282$ pages.

H	T	O
1	5	3
+	1	2
2	8	2

Exercise

Fill in the blanks :

- Ans. 4 tens 6 ones = 3 tens **16** ones
 3 tens 0 ones = 2 tens **10** ones
 4 hundreds 4 tens = **3** hundreds 14 tens
 6 hundreds 2 tens 3 ones = **5** hundreds **12** tens 3 ones

Exercise

Subtract and fill in the boxes :

Ans. $416 - 245$

- = **4** hundreds 1 tens 6 ones - 2 hundreds 4 tens 5 ones
 = **3** hundreds 11 tens 6 ones - 2 hundreds 4 tens 5 ones
 = **1** hundreds **7** tens **1** ones
 = **171**

$526 - 347$

- = **5** hundreds 2 tens 6 ones - 3 hundreds 4 tens **7** ones
 = **5** hundreds 1 ten **16** ones - 3 hundreds 4 tens **7** ones
 = **4** hundreds 11 tens 16 ones - **3** hundreds **4** tens **7** ones
 = **1** hundreds **7** tens **9** ones
 = **179**

Exercise

Find the difference :

Ans.

H	T	O
8	13	15
9	4	5
-	3	8
5	5	6

H	T	O
8	12	14
9	3	4
-	5	6
3	6	7

H	T	O
	4	11
7	5	1
-	4	3
3	1	2

H	T	O
	7	13
5	8	3
-	2	4
3	3	7



Subtraction Problems

1. No. of deers in the zoo = 412

And, no. of tigers in the zoo = 175

Clearly show that, deers are more than tigers in the zoo.

$$\therefore 412 - 175 = 237$$

Hence, there are 237 more deers than tigers in the zoo.

H	T	O
3	10	12
4	1	2
- 1	7	5
2	3	7

2. A clock seller had clocks = 400

And, he sold clocks = 252

So, the number of clocks left

with the clock seller = $400 - 252$

$$= 148 \text{ clocks.}$$

H	T	O
3	9	10
4	0	0
- 2	5	2
1	4	8

3. A shop keeper had chocolate = 740 packets

And, he sold chocolate = 346 packets

So, the remaining packets of chocolate

left with the shopkeeper = $740 - 346$

$$= 394 \text{ packets.}$$

H	T	O
6	13	10
7	4	0
- 3	4	6
3	9	4

4. Total number of students in the school = 645

And, the number of girls = 281

So, the number of boys

in the school = $645 - 281$

$$= 364.$$

H	T	O
5	14	5
6	4	5
- 2	8	1
3	6	4

5. Total number of toffers = 300

Rojy and her friends ate = 199 toffees

So, the number of toffees are left

$$= 300 - 199 = 101 \text{ toffees.}$$

H	T	O
2	9	10
3	0	0
- 1	9	9
1	0	1

MCQs

Tick (✓) the correct option :

- $641 + 259 =$ _____
a. 900
- Manoj scored 125 and 202 runs in 2 matches. How many runs did he score in all?
a. 327
- $945 - 728 =$ _____
a. 217
- The difference of a number and 1 is the
b. before number

Exercise

Multiply the following :

Ans.

H	T	O
	2	
4	5	
	×	5
2	2	5

H	T	O
	4	
5	6	
	×	8
4	4	8

H	T	O
	6	
6	7	
	×	9
6	0	3

H	T	O
	4	
7	6	
	×	8
6	0	8

H	T	O
	2	
5	4	
	×	6
3	2	4

H	T	O
	1	
4	5	
	×	3
1	3	5

H	T	O
	2	
3	7	
	×	4
1	4	8

H	T	O
	2	
8	9	
	×	3
2	6	7

Exercise

Multiply the following :

Ans.

H	T	O
	1	
4	2	5
	×	2
8	5	0

H	T	O
	1	
3	1	6
	×	2
6	3	2

H	T	O
	1	
2	2	5
	×	3
6	7	5

H	T	O
	1	
3	2	5
	×	3
9	7	5

H	T	O
	1	
3	3	5
	×	2
6	7	0

H	T	O
	1	
4	2	8
	×	2
8	5	6

H	T	O
4	2	
1	9	5
	×	5
9	7	5

H	T	O
2	5	
1	3	8
	×	7
9	6	6



Multiplication Problems

1. A car travels in an hour = 54 km
So, the car travels in 3 hours
= 3×54 km = 162 kilometres.

H	T	O
	1	
5	4	
	×	3
1	6	2

2. A crate has pepsi = 24 bottles
So, 5 crates will have pepsi
= 24×5 = 120 bottles.

H	T	O
	2	
2	4	
	×	5
1	2	0

3. The number of rows of trees in a garden = 6
And, the number of trees in each row = 38
So, total number of trees in the garden = $38 \times 6 = 228$ trees.

H	T	O
	4	
	3	8
	×	6
2	2	8

4. A farmer had cows = 25
Each cow had calves = 2
So, the total no. of calves with the farmer = $25 \times 2 = 50$ calves.

H	T	O
	1	
	2	5
	×	2
5	0	

MCQs

Tick (✓) the correct option :

- $9+9+9+9+9+9+9$ is same as :
a. 7×9
- $8 \times 7 = \underline{\hspace{2cm}} \times 8$
a. 7
- The product of a number and 0 is always .
c. 0
- $214 \times 3 = \underline{\hspace{2cm}}$:
a. 642



NEP Cross-Cultural Learning (CCL)

A group of students visited a fair. They ordered the following eatables at the fair.

Find out, how much they spent.



₹ 15



₹ 25



₹ 130



₹ 52



₹ 45

- They ordered 5 sandwiches.
They spent ₹ 125 for 5 sandwiches.
- They ordered 2 pizzas.
They spent ₹ 260 for 2 pizzas.
- 7 friends ordered 1 burger each.
They paid ₹ 105 for 7 burgers.
- 8 children have 1 ice cream each.
They paid ₹ 360 for 8 ice-cream.

2
2 5
×
5
12 5

1 3 0
×
2
2 6 0

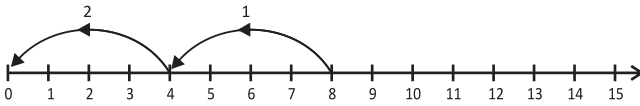
3
1 5
×
7
10 5

4 5
×
8
36 0

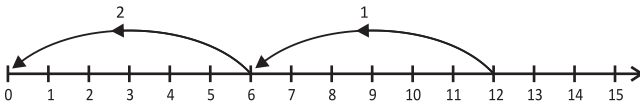
Exercise

Divide on the number line :

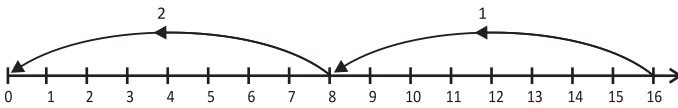
Ans.



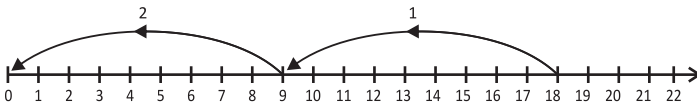
$8 \div 4 = 2$



$12 \div 6 = 2$



$16 \div 8 = 2$



$18 \div 9 = 2$

Divide the following :

Ans.

$18 \div 2 = 9$

$45 \div 5 = 9$

$80 \div 8 = 10$

$30 \div 6 = 5$

$7 \div 7 = 1$

$21 \div 7 = 3$

$80 \div 10 = 8$

$20 \div 5 = 4$

$54 \div 6 = 9$

$56 \div 7 = 8$

$15 \div 3 = 5$

$2 \div 2 = 1$

$63 \div 9 = 7$

$24 \div 6 = 4$

$40 \div 5 = 8$

$14 \div 2 = 7$

$40 \div 4 = 10$

$45 \div 9 = 5$

$40 \div 8 = 5$

$18 \div 3 = 6$

$35 \div 7 = 5$

$24 \div 4 = 6$

$4 \div 4 = 1$

$20 \div 5 = 4$

$12 \div 2 = 6$	$8 \div 4 = 2$	$48 \div 8 = 6$
$36 \div 6 = 6$	$12 \div 3 = 4$	$36 \div 4 = 9$
$35 \div 5 = 7$	$24 \div 6 = 4$	$27 \div 3 = 9$
$28 \div 7 = 4$	$8 \div 2 = 4$	

Exercise

Divide by the short method :

Ans.

$6 \overline{)24}$ 4	$5 \overline{)30}$ 6	$8 \overline{)48}$ 6	$3 \overline{)27}$ 9	$6 \overline{)54}$ 9	$9 \overline{)36}$ 4
$4 \overline{)16}$ 4	$7 \overline{)35}$ 5	$4 \overline{)24}$ 6	$6 \overline{)36}$ 6	$3 \overline{)15}$ 5	$5 \overline{)20}$ 4
$7 \overline{)49}$ 7	$2 \overline{)14}$ 7	$9 \overline{)81}$ 9	$10 \overline{)40}$ 4	$2 \overline{)18}$ 9	$2 \overline{)10}$ 5

Divide by the long method :

Ans.

$\begin{array}{r} 4 \\ 4 \overline{)16} \\ -16 \\ \hline 0 \end{array}$	$\begin{array}{r} 7 \\ 6 \overline{)42} \\ -42 \\ \hline 0 \end{array}$	$\begin{array}{r} 7 \\ 9 \overline{)63} \\ -63 \\ \hline 0 \end{array}$	$\begin{array}{r} 7 \\ 3 \overline{)21} \\ -21 \\ \hline 0 \end{array}$	$\begin{array}{r} 4 \\ 5 \overline{)20} \\ -20 \\ \hline 0 \end{array}$	$\begin{array}{r} 6 \\ 2 \overline{)12} \\ -12 \\ \hline 0 \end{array}$
$\begin{array}{r} 3 \\ 7 \overline{)21} \\ -21 \\ \hline 0 \end{array}$	$\begin{array}{r} 2 \\ 5 \overline{)10} \\ -10 \\ \hline 0 \end{array}$	$\begin{array}{r} 4 \\ 2 \overline{)8} \\ -8 \\ \hline 0 \end{array}$	$\begin{array}{r} 5 \\ 7 \overline{)35} \\ -35 \\ \hline 0 \end{array}$	$\begin{array}{r} 5 \\ 2 \overline{)10} \\ -10 \\ \hline 0 \end{array}$	$\begin{array}{r} 2 \\ 9 \overline{)18} \\ -18 \\ \hline 0 \end{array}$
$\begin{array}{r} 3 \\ 8 \overline{)24} \\ -24 \\ \hline 0 \end{array}$	$\begin{array}{r} 6 \\ 4 \overline{)24} \\ -24 \\ \hline 0 \end{array}$	$\begin{array}{r} 6 \\ 6 \overline{)36} \\ -36 \\ \hline 0 \end{array}$	$\begin{array}{r} 9 \\ 4 \overline{)36} \\ -36 \\ \hline 0 \end{array}$	$\begin{array}{r} 6 \\ 8 \overline{)48} \\ -48 \\ \hline 0 \end{array}$	$\begin{array}{r} 9 \\ 3 \overline{)27} \\ -27 \\ \hline 0 \end{array}$



Word Problems

- Raj has books = 72
He put books in each parcel = 9
Required number of parcels = $72 \div 9$
= 8
So, Raj should make 8 parcels.

$$\begin{array}{r} 8 \\ 9 \overline{)72} \\ -72 \\ \hline 0 \end{array}$$

2. Teena buys sweets = 56
 She fills in sweets in 8 bags.
 So, each bag contain sweets = $56 \div 8 = 7$
 Hence, teena put 7 sweets in each bag.

$$\begin{array}{r} 7 \\ 8 \overline{) 56} \\ \underline{-56} \\ 0 \end{array}$$

3. A milkman has milk bottles = 48
 He put bottles in a container = 6
 \therefore Required number of containers = $48 \div 6 = 8$
 So, the milkman needs 8 containers.

$$\begin{array}{r} 8 \\ 6 \overline{) 48} \\ \underline{-48} \\ 0 \end{array}$$

4. Total number of pehcils = 24
 And, the number of children = 4
 \therefore Each child get pencils = $24 \div 4 = 6$
 So, each child will get 6 pencils.

$$\begin{array}{r} 6 \\ 4 \overline{) 24} \\ \underline{-24} \\ 0 \end{array}$$

MCQs

Tick (✓) the correct option :

- $35 \div 35 =$
 a. 1
- $0 \div 91 =$
 b. 0
- $33 \div 1 =$
 a. 33
- $24 \div 8 =$
 c. 3
- The number to be divided is called :
 a. dividend



NEP Adaptive Education

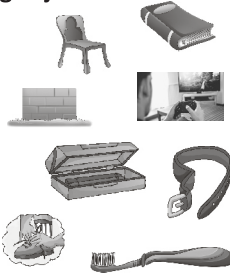
Divide and match the leaves with correct flower :



Exercise

Write m or cm for the lengths of the following objects :

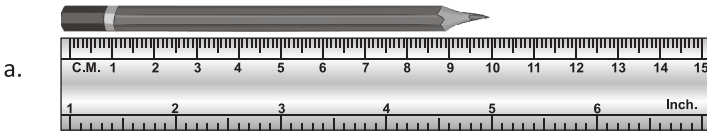
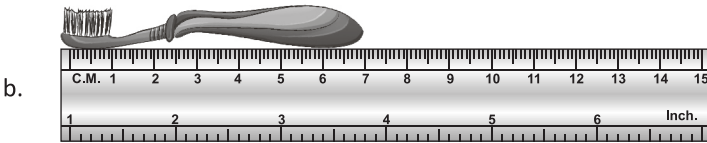
- Ans. a. The thickness of a book.
 b. The height of your chair.
 c. The screen of your video game.
 d. The length of a wall.
 e. The thickness of your pencil box.
 f. The length of your school belt.
 g. The length of your shoe lace.
 h. The length of your toothbrush.



- cm
 cm
 cm
 m
 cm
 cm
 cm
 cm

Measure the following :

Ans.

This pen is 10 cm long.This tooth-brush is 7 cm long.

Exercise

Add :

Ans.

- a.
$$\begin{array}{r} 180 \text{ cm} \\ + 25 \text{ cm} \\ \hline 205 \text{ cm} \end{array}$$
- b.
$$\begin{array}{r} 82 \text{ cm} \\ + 7 \text{ cm} \\ \hline 89 \text{ cm} \end{array}$$
- c.
$$\begin{array}{r} 33 \text{ cm} \\ + 46 \text{ cm} \\ \hline 79 \text{ cm} \end{array}$$
- d.
$$\begin{array}{r} 54 \text{ m} \\ + 28 \text{ m} \\ \hline 82 \text{ m} \end{array}$$

Subtract :

Ans.

- a.
$$\begin{array}{r} 43 \text{ cm} \\ - 28 \text{ cm} \\ \hline 15 \text{ cm} \end{array}$$
- b.
$$\begin{array}{r} 73 \text{ cm} \\ - 51 \text{ cm} \\ \hline 22 \text{ cm} \end{array}$$
- c.
$$\begin{array}{r} 98 \text{ cm} \\ - 54 \text{ cm} \\ \hline 44 \text{ cm} \end{array}$$
- d.
$$\begin{array}{r} 156 \text{ m} \\ - 32 \text{ m} \\ \hline 124 \text{ m} \end{array}$$

Exercise

Add :

Ans.

a.	$\begin{array}{r} \overset{1}{3}5\text{ kg} \\ + 46\text{ kg} \\ \hline 81\text{ kg} \end{array}$	b.	$\begin{array}{r} \overset{1}{1}8\text{ g} \\ + 23\text{ g} \\ \hline 41\text{ g} \end{array}$	c.	$\begin{array}{r} \overset{1}{7}5\text{ kg} \\ + 25\text{ kg} \\ \hline 100\text{ kg} \end{array}$	d.	$\begin{array}{r} 521\text{ g} \\ + 48\text{ g} \\ \hline 569\text{ g} \end{array}$
e.	$\begin{array}{r} \overset{1}{2}37\text{ kg} \\ + 48\text{ kg} \\ \hline 285\text{ kg} \end{array}$	f.	$\begin{array}{r} 652\text{ kg} \\ + 43\text{ kg} \\ \hline 695\text{ kg} \end{array}$	g.	$\begin{array}{r} \overset{1}{3}\overset{1}{3}2\text{ kg} \\ + 279\text{ kg} \\ \hline 611\text{ kg} \end{array}$	h.	$\begin{array}{r} \overset{1}{4}\overset{1}{9}6\text{ g} \\ + 385\text{ g} \\ \hline 881\text{ g} \end{array}$

Subtract :

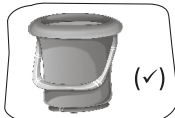
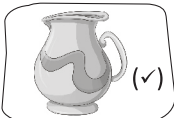



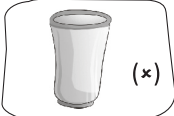


Ans.

a.	$\begin{array}{r} \overset{1}{\cancel{2}}\overset{1}{\cancel{3}}5\text{ kg} \\ - 83\text{ kg} \\ \hline 152\text{ kg} \end{array}$	b.	$\begin{array}{r} 64\text{ g} \\ - 43\text{ g} \\ \hline 21\text{ g} \end{array}$	c.	$\begin{array}{r} \overset{7}{\cancel{8}}\overset{18}{\cancel{8}}\text{ kg} \\ - 49\text{ kg} \\ \hline 39\text{ kg} \end{array}$	d.	$\begin{array}{r} \overset{11}{\cancel{1}}\overset{13}{\cancel{2}}\cancel{3}\text{ g} \\ - 57\text{ g} \\ \hline 66\text{ g} \end{array}$
e.	$\begin{array}{r} \overset{1}{\cancel{2}}\overset{16}{\cancel{7}}\overset{10}{\cancel{0}}\text{ kg} \\ - 83\text{ kg} \\ \hline 187\text{ kg} \end{array}$	f.	$\begin{array}{r} \overset{7}{\cancel{8}}\overset{9}{\cancel{0}}\overset{13}{\cancel{3}}\text{ kg} \\ - 514\text{ kg} \\ \hline 289\text{ kg} \end{array}$	g.	$\begin{array}{r} \overset{6}{\cancel{7}}\overset{9}{\cancel{0}}\overset{12}{\cancel{2}}\text{ kg} \\ - 694\text{ kg} \\ \hline 008\text{ kg} \end{array}$	h.	$\begin{array}{r} \overset{8}{\cancel{9}}\overset{9}{\cancel{0}}\overset{10}{\cancel{0}}\text{ g} \\ - 462\text{ g} \\ \hline 438\text{ g} \end{array}$

Exercise

Tick (✓) the objects that have capacity of more than a litre. Cross (×) the ones that holds liquid less than a litre :

Ans.

 (✓)	 (✓)	 (×)	 (×)
 (×)	 (×)	 (✓)	 (✓)

Write what unit (L/mL) will you use to measure the following?

Ans. a.	Water in a tank.	(L)	b.	Milk in a glass.	(mL)
c.	Juice in a glass.	(mL)	d.	Coffee in a cup.	(mL)
e.	Cold drink in a tin.	(mL)	f.	Water in a bath tub.	(L)
g.	Medicine in a teaspoon.	(mL)	h.	Diesel in a gallon.	(L)
i.	Drops of honey.	(mL)	j.	Kerosene in a drum.	(L)

Add :

Ans.

a.
$$\begin{array}{r} \textcircled{1} \\ 73 \text{ mL} \\ + 52 \text{ mL} \\ \hline 125 \text{ mL} \end{array}$$

b.
$$\begin{array}{r} \textcircled{1} \\ 9 \text{ L} \\ + 25 \text{ L} \\ \hline 34 \text{ L} \end{array}$$

c.
$$\begin{array}{r} \textcircled{1} \\ 27 \text{ mL} \\ + 58 \text{ mL} \\ \hline 85 \text{ mL} \end{array}$$

d.
$$\begin{array}{r} \textcircled{1} \\ 167 \text{ L} \\ + 25 \text{ L} \\ \hline 192 \text{ L} \end{array}$$

Subtract :

Ans.

a.
$$\begin{array}{r} \textcircled{2} \textcircled{13} \\ \textcircled{3} \textcircled{12} \\ 342 \text{ L} \\ - 56 \text{ L} \\ \hline 286 \text{ L} \end{array}$$

b.
$$\begin{array}{r} \textcircled{8} \textcircled{12} \\ 92 \text{ L} \\ - 45 \text{ L} \\ \hline 47 \text{ L} \end{array}$$

c.
$$\begin{array}{r} \textcircled{4} \textcircled{10} \\ 50 \text{ mL} \\ - 36 \text{ mL} \\ \hline 14 \text{ mL} \end{array}$$

d.
$$\begin{array}{r} \textcircled{2} \textcircled{14} \textcircled{11} \\ 351 \text{ L} \\ - 75 \text{ L} \\ \hline 276 \text{ L} \end{array}$$



Word Problems

1. Weight of a box = 15 kg
And, weight of a bag = 9 kg
So, the total weight of the box and the bag = 15 kg + 9 kg = 24 kg.

$$\begin{array}{r} \textcircled{1} \\ 15 \text{ kg} \\ + 9 \text{ kg} \\ \hline 24 \text{ kg} \end{array}$$

2. Length of a ribbon = 80 cm
Sita cuts away from it = 35 cm
So, the length of the ribbon is left = 80 cm - 35 cm = 45 cm.

$$\begin{array}{r} \textcircled{7} \textcircled{10} \\ 80 \text{ cm} \\ - 35 \text{ cm} \\ \hline 45 \text{ cm} \end{array}$$

3. Length of Adi's toy train = 28 cm
And Varun's toy train is 14 cm longer than adi's train.
So, the length of Varun's toy train = 28 cm + 14 cm = 42 cm.

$$\begin{array}{r} \textcircled{1} \\ 28 \text{ cm} \\ + 14 \text{ cm} \\ \hline 42 \text{ cm} \end{array}$$

4. Mrs. Murthy gave cloth to tailor = 44 metre
And, the tailor used cloth = 37 metre
∴ Remaining cloth = 44m - 37m = 7m
Hence, the tailor return 7metre of cloth to Mrs. Murthy.

$$\begin{array}{r} \textcircled{3} \textcircled{14} \\ 44 \text{ m} \\ - 37 \text{ m} \\ \hline 07 \text{ m} \end{array}$$

5. Height of the house = 18 m
And height of the tower = 7 m
∴ Total height of the top of the tower = 18 cm + 7 cm
∴ A bird is sitting on top of the tower. = 25 cm
Hence, the bird is sitting at the height of 25 metre.

$$\begin{array}{r} \textcircled{1} \\ 18 \text{ cm} \\ + 7 \text{ cm} \\ \hline 25 \text{ cm} \end{array}$$



Write 1, 2 or 3 in each box to order the objects by length.

3	
2	
1	

2	
3	
1	

1	
2	
3	

3	
2	
1	

MCQs

Tick (✓) the correct option :

- Ans. 1. Standard unit of capacity is :
 a. litre
 2. $25\text{ m} + 15\text{ m} = \underline{\hspace{2cm}}$ m :
 c. 40
 3. $200\text{ kg} + 185\text{ kg} = \underline{\hspace{2cm}}$
 a. 385 kg
 4. $800\text{ mL} - 355\text{ mL} = \underline{\hspace{2cm}}$
 b. 445 mL

10

Money

Exercise

1. Add and write the answer in box :

Ans. + = paise

+ = paise

2. Write in words :

- Ans. ₹ 5.80 = Five rupees and eighty paise.
 ₹ 10.75 = Ten rupees and seventy-five paise.
 ₹ 500.75 = Five hundred rupees and seventy-five paise.

3. Write in figures :

Ans.

Eight rupees and thirty paise	=	₹ 8.30
Forty rupees and fifty paise	=	₹ 40.50
Fifteen rupees and twenty-five paise	=	₹ 15.25
Twenty rupees and forty paise	=	₹ 20.40

Exercise

Add :

Ans.

a.	$\begin{array}{r} \text{p} \\ 10 \\ + 25 \\ \hline 35 \end{array}$	b.	$\begin{array}{r} \text{p} \\ \textcircled{1} \\ 25 \\ + 25 \\ \hline 50 \end{array}$	c.	$\begin{array}{r} \text{p} \\ 25 \\ + 50 \\ \hline 75 \end{array}$	d.	$\begin{array}{r} \text{p} \\ 10 \\ + 5 \\ \hline 15 \end{array}$	e.	$\begin{array}{r} \text{p} \\ 32 \\ + 66 \\ \hline 98 \end{array}$
f.	$\begin{array}{r} \text{₹ p} \\ 20\ 10 \\ + 3\ 10 \\ \hline 23.20 \end{array}$	g.	$\begin{array}{r} \text{₹ p} \\ \textcircled{1} \\ 15\ 00 \\ + 25\ 50 \\ \hline 40.50 \end{array}$	h.	$\begin{array}{r} \text{₹ p} \\ \textcircled{1} \\ 100\ 35 \\ + 50\ 25 \\ \hline 150.60 \end{array}$	i.	$\begin{array}{r} \text{₹ p} \\ \textcircled{1} \quad \textcircled{1} \\ 125\ 25 \\ + 125\ 45 \\ \hline 250.70 \end{array}$		

Add :

Ans.

a.	$\begin{array}{r} \text{₹ 23.30} \\ + \text{₹ 50.60} \\ \hline \text{₹ 73.90} \end{array}$	b.	$\begin{array}{r} \text{₹ 50.55} \\ + \text{₹ 43.35} \\ \hline \text{₹ 93.90} \end{array}$	c.	$\begin{array}{r} \text{₹ 37.45} \\ + \text{₹ 32.35} \\ \hline \text{₹ 69.80} \end{array}$	d.	$\begin{array}{r} \text{₹ 10.00} \\ + \text{₹ 20.25} \\ + \text{₹ 45.50} \\ \hline \text{₹ 75.75} \end{array}$
e.	$\begin{array}{r} \text{₹ 64.25} \\ + \text{₹ 36.20} \\ \hline \text{₹ 100.45} \end{array}$	f.	$\begin{array}{r} \text{₹ 118.50} \\ + \text{₹ 502.20} \\ \hline \text{₹ 620.70} \end{array}$	g.	$\begin{array}{r} \text{₹ 643.75} \\ + \text{₹ 278.15} \\ \hline \text{₹ 921.90} \end{array}$	h.	$\begin{array}{r} \text{₹ 10.00} \\ + \text{₹ 20.25} \\ + \text{₹ 45.50} \\ \hline \text{₹ 75.75} \end{array}$

Exercise

Add :

Ans.

a.	$\begin{array}{r} \text{₹ p} \\ \textcircled{1} \\ 60 \\ + 40 \\ \hline 1.00 \end{array}$	b.	$\begin{array}{r} \text{₹ p} \\ \textcircled{1} \quad \textcircled{1} \\ 55 \\ + 45 \\ \hline 1.00 \end{array}$	c.	$\begin{array}{r} \text{₹ p} \\ \textcircled{1} \quad \textcircled{1} \\ 75 \\ + 55 \\ \hline 1.30 \end{array}$	d.	$\begin{array}{r} \text{₹ p} \\ \textcircled{1} \\ 65 \\ + 40 \\ \hline 1.05 \end{array}$
e.	$\begin{array}{r} \text{₹ p} \\ 12\ 25 \\ + 40 \\ \hline 12.65 \end{array}$	f.	$\begin{array}{r} \text{₹ p} \\ \textcircled{1} \\ 20\ 30 \\ + 68\ 70 \\ \hline 89.00 \end{array}$	g.	$\begin{array}{r} \text{₹ p} \\ 11 \\ 127\ 55 \\ + 43\ 60 \\ \hline 171.15 \end{array}$	h.	$\begin{array}{r} \text{₹ p} \\ \textcircled{1} \quad \textcircled{1} \quad \textcircled{1} \quad \textcircled{1} \\ 564\ 35 \\ + 137\ 75 \\ \hline 702.10 \end{array}$

Add :

Ans.

a.
$$\begin{array}{r} \overset{1}{1} \overset{1}{1} \\ \text{₹ } 6.75 \\ + \text{₹ } 14.35 \\ \hline + \text{₹ } 21.10 \end{array}$$

b.
$$\begin{array}{r} \overset{1}{} \\ \text{₹ } 15.85 \\ + \text{₹ } 3.20 \\ \hline + \text{₹ } 19.05 \end{array}$$

c.
$$\begin{array}{r} \overset{1}{1} \overset{1}{1} \\ \text{₹ } 63.55 \\ + \text{₹ } 26.55 \\ \hline + \text{₹ } 90.10 \end{array}$$

d.
$$\begin{array}{r} \overset{1}{1} \overset{1}{} \\ \text{₹ } 10.25 \\ + \text{₹ } 15.25 \\ + \text{₹ } 20.50 \\ \hline + \text{₹ } 46.00 \end{array}$$

e.
$$\begin{array}{r} \overset{1}{} \\ \text{₹ } 42.65 \\ + \text{₹ } 25.80 \\ \hline + \text{₹ } 68.45 \end{array}$$

f.
$$\begin{array}{r} \overset{1}{} \\ \text{₹ } 420.50 \\ + \text{₹ } 340.50 \\ \hline + \text{₹ } 761.00 \end{array}$$

g.
$$\begin{array}{r} \overset{1}{1} \overset{1}{1} \overset{1}{} \\ \text{₹ } 123.45 \\ + \text{₹ } 234.55 \\ + \text{₹ } 45.10 \\ \hline + \text{₹ } 403.10 \end{array}$$

h.
$$\begin{array}{r} \overset{1}{1} \overset{1}{} \\ \text{₹ } 232.00 \\ + \text{₹ } 421.45 \\ + \text{₹ } 165.90 \\ \hline + \text{₹ } 819.35 \end{array}$$



Word Problems

1. Cost of colour pencils = ₹ 12.50
And cost of pens = ₹ 25
∴ Total cost of pen and pencils = ₹ 12.50 + 25
= 37.50
Hence, the shopkeeper got ₹ 37.50 for sold colour pencils and pens.

$$\begin{array}{r} \text{₹} \quad \text{P} \\ 12.50 \\ + 25.00 \\ \hline 37.50 \end{array}$$

2. Cost of an ice-cream = ₹ 15
And, cost of a partry = ₹ 12
∴ Total cost of an ice-cream and a Pastry = ₹ 15 + ₹ 12 = ₹ 27
Hence, Nidhi spent ₹ 27 to bought an ice-cream and a pastry.

$$\begin{array}{r} \text{₹} \\ 15 \\ + \text{₹} 12 \\ \hline \text{₹ } 27 \end{array}$$

3. Cost of a toy car = ₹ 45.50
And, cost of a ball = ₹ 8.50
∴ Total cost of a toy car and a ball = ₹ 45.50 + ₹ 8.50 = ₹ 54.00
Hence, we need ₹ 54 to buy both products.

$$\begin{array}{r} \text{₹} \quad \text{P} \\ \overset{1}{1} \\ 45.50 \\ + 8.50 \\ \hline 54.00 \end{array}$$

4. Raj has money = ₹ 120.75
Madhu has money = ₹ 25 more than Raj
She have money = ₹ 120.75 + ₹ 25
= ₹ 145.75
Hence, Madhu has ₹ 145.75

$$\begin{array}{r} \text{₹} \quad \text{P} \\ 120.75 \\ + 25.00 \\ \hline 145.75 \end{array}$$

5. Old price of coca-cola = ₹ 18.50
 \therefore New cost is five rupees more.
 So, the new cost of coca-cola
 $= ₹ 18.50 + ₹ 5.00$
 $= 23.50$

$$\begin{array}{r} \text{₹ p} \\ 1 \\ 18.50 \\ + 5.00 \\ \hline 23.50 \end{array}$$

6. Cost of a shirt = ₹ 250
 Cost of a skirt = ₹ 350
 And, cost of a belt = ₹ 100
 \therefore Total cost of a shirt, a skirt
 and a belt = ₹ 250 + ₹ 350 + ₹ 100
 $= ₹ 700$

$$\begin{array}{r} 1 \\ ₹ 250 \\ ₹ 350 \\ + ₹ 100 \\ \hline ₹ 700 \end{array}$$

Hence, Leena have to pay ₹ 700 in all.

Exercise

Subtract :

Ans.

a.
$$\begin{array}{r} \text{p} \\ 95 \\ - 20 \\ \hline 75 \end{array}$$

b.
$$\begin{array}{r} \text{p} \\ 55 \\ - 25 \\ \hline 30 \end{array}$$

c.
$$\begin{array}{r} \text{p} \\ \overset{2}{\cancel{3}} \overset{10}{\cancel{0}} \\ - 25 \\ \hline 05 \end{array}$$

d.
$$\begin{array}{r} \text{p} \\ \overset{5}{\cancel{6}} \overset{14}{\cancel{4}} \\ - 29 \\ \hline 35 \end{array}$$

e.
$$\begin{array}{r} \text{p} \\ \overset{12}{\cancel{1}} \overset{12}{\cancel{2}} \\ - 66 \\ \hline 66 \end{array}$$

f.
$$\begin{array}{r} \text{₹ p} \\ 75.50 \\ - 4.00 \\ \hline 71.50 \end{array}$$

g.
$$\begin{array}{r} \text{₹ p} \\ \overset{3}{\cancel{4}} \overset{17}{\cancel{7}} \\ 47.65 \\ - 18.50 \\ \hline 29.15 \end{array}$$

h.
$$\begin{array}{r} \text{₹ p} \\ \overset{4}{\cancel{1}} \overset{10}{\cancel{2}} \\ 126.50 \\ - 54.25 \\ \hline 72.25 \end{array}$$

i.
$$\begin{array}{r} \text{₹ p} \\ \overset{5}{\cancel{6}} \overset{9}{\cancel{0}} \overset{12}{\cancel{7}} \overset{10}{\cancel{1}} \\ 602.80 \\ - 176.75 \\ \hline 426.05 \end{array}$$

Subtract :

Ans.

a.
$$\begin{array}{r} \overset{1}{\cancel{2}} \overset{13}{\cancel{3}} \\ ₹ 23.25 \\ - ₹ 8.25 \\ \hline ₹ 15.00 \end{array}$$

b.
$$\begin{array}{r} \overset{4}{\cancel{3}} \overset{10}{\cancel{4}} \\ ₹ 34.50 \\ - ₹ 22.35 \\ \hline ₹ 12.15 \end{array}$$

c.
$$\begin{array}{r} \overset{5}{\cancel{6}} \overset{13}{\cancel{3}} \overset{7}{\cancel{1}} \overset{10}{\cancel{0}} \\ ₹ 63.80 \\ - ₹ 46.45 \\ \hline ₹ 17.35 \end{array}$$

d.
$$\begin{array}{r} \overset{8}{\cancel{9}} \overset{9}{\cancel{0}} \overset{16}{\cancel{1}} \overset{10}{\cancel{0}} \\ ₹ 90.70 \\ - ₹ 76.75 \\ \hline ₹ 13.95 \end{array}$$

e.
$$\begin{array}{r} \overset{10}{\cancel{1}} \overset{11}{\cancel{1}} \\ ₹ 111.50 \\ - ₹ 83.00 \\ \hline ₹ 28.50 \end{array}$$

f.
$$\begin{array}{r} \overset{1}{\cancel{2}} \overset{9}{\cancel{0}} \overset{16}{\cancel{6}} \overset{5}{\cancel{1}} \overset{10}{\cancel{0}} \\ ₹ 206.80 \\ - ₹ 188.25 \\ \hline ₹ 018.35 \end{array}$$

g.
$$\begin{array}{r} \overset{6}{\cancel{7}} \overset{13}{\cancel{4}} \overset{12}{\cancel{2}} \overset{8}{\cancel{1}} \overset{10}{\cancel{0}} \\ ₹ 742.90 \\ - ₹ 274.55 \\ \hline ₹ 468.35 \end{array}$$

h.
$$\begin{array}{r} \overset{8}{\cancel{9}} \overset{16}{\cancel{7}} \overset{13}{\cancel{8}} \\ ₹ 978.75 \\ - ₹ 889.10 \\ \hline ₹ 089.65 \end{array}$$

Exercise

Subtract :

Ans.

<p>a.</p> <table style="margin: auto; border: 1px solid black; border-radius: 15px; padding: 5px;"> <tr><td style="text-align: center;">₹</td><td style="text-align: center;">p</td></tr> <tr><td style="text-align: center;">5 12</td><td></td></tr> <tr><td style="text-align: center;">16 20</td><td></td></tr> <tr><td style="text-align: center;">- 4 50</td><td></td></tr> <tr style="border-top: 1px solid black;"><td style="text-align: center;">11.70</td><td></td></tr> </table>	₹	p	5 12		16 20		- 4 50		11.70		<p>b.</p> <table style="margin: auto; border: 1px solid black; border-radius: 15px; padding: 5px;"> <tr><td style="text-align: center;">₹</td><td style="text-align: center;">p</td></tr> <tr><td style="text-align: center;">4 13</td><td></td></tr> <tr><td style="text-align: center;">65 30</td><td></td></tr> <tr><td style="text-align: center;">- 24 60</td><td></td></tr> <tr style="border-top: 1px solid black;"><td style="text-align: center;">40.70</td><td></td></tr> </table>	₹	p	4 13		65 30		- 24 60		40.70		<p>c.</p> <table style="margin: auto; border: 1px solid black; border-radius: 15px; padding: 5px;"> <tr><td style="text-align: center;">₹</td><td style="text-align: center;">p</td></tr> <tr><td style="text-align: center;">8 11 14 10</td><td></td></tr> <tr><td style="text-align: center;">92 50</td><td></td></tr> <tr><td style="text-align: center;">- 45 75</td><td></td></tr> <tr style="border-top: 1px solid black;"><td style="text-align: center;">46.75</td><td></td></tr> </table>	₹	p	8 11 14 10		92 50		- 45 75		46.75		<p>d.</p> <table style="margin: auto; border: 1px solid black; border-radius: 15px; padding: 5px;"> <tr><td style="text-align: center;">₹</td><td style="text-align: center;">p</td></tr> <tr><td style="text-align: center;">8 9 10</td><td></td></tr> <tr><td style="text-align: center;">49 00</td><td></td></tr> <tr><td style="text-align: center;">- 37 75</td><td></td></tr> <tr style="border-top: 1px solid black;"><td style="text-align: center;">11.25</td><td></td></tr> </table>	₹	p	8 9 10		49 00		- 37 75		11.25	
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Subtract :

Ans.

<p>a.</p> <table style="margin: auto; border: 1px solid black; border-radius: 15px; padding: 5px;"> <tr><td style="text-align: center;">3 11</td><td></td></tr> <tr><td style="text-align: center;">₹ 14 . 10</td><td></td></tr> <tr><td style="text-align: center;">- ₹ 2 . 20</td><td></td></tr> <tr style="border-top: 1px solid black;"><td style="text-align: center;">₹ 11 . 90</td><td></td></tr> </table>	3 11		₹ 14 . 10		- ₹ 2 . 20		₹ 11 . 90		<p>b.</p> <table style="margin: auto; border: 1px solid black; border-radius: 15px; padding: 5px;"> <tr><td style="text-align: center;">3 12 12</td><td></td></tr> <tr><td style="text-align: center;">₹ 43 . 20</td><td></td></tr> <tr><td style="text-align: center;">- ₹ 33 . 30</td><td></td></tr> <tr style="border-top: 1px solid black;"><td style="text-align: center;">₹ 09 . 90</td><td></td></tr> </table>	3 12 12		₹ 43 . 20		- ₹ 33 . 30		₹ 09 . 90		<p>c.</p> <table style="margin: auto; border: 1px solid black; border-radius: 15px; padding: 5px;"> <tr><td style="text-align: center;">7 9 13 10</td><td></td></tr> <tr><td style="text-align: center;">₹ 80 . 40</td><td></td></tr> <tr><td style="text-align: center;">- ₹ 79 . 55</td><td></td></tr> <tr style="border-top: 1px solid black;"><td style="text-align: center;">₹ 00 . 85</td><td></td></tr> </table>	7 9 13 10		₹ 80 . 40		- ₹ 79 . 55		₹ 00 . 85		<p>d.</p> <table style="margin: auto; border: 1px solid black; border-radius: 15px; padding: 5px;"> <tr><td style="text-align: center;">8 9 12</td><td></td></tr> <tr><td style="text-align: center;">₹ 90 . 25</td><td></td></tr> <tr><td style="text-align: center;">- ₹ 84 . 75</td><td></td></tr> <tr style="border-top: 1px solid black;"><td style="text-align: center;">₹ 05 . 50</td><td></td></tr> </table>	8 9 12		₹ 90 . 25		- ₹ 84 . 75		₹ 05 . 50	
3 11																																			
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₹ 05 . 50																																			



Word Problems

1. Cost of kites bought by varun = ₹ 7.50
 And, he gave money to the shopkeeper
 = ₹ 10 note
 \therefore Remaining money = ₹ 10.00 - ₹ 7.50
 = ₹ 2.50
 Hence, the shopkeeper returned ₹ 2.50 to varun.

₹	p
9 10	
10 00	
- 7 50	
2 50	

2. Megha had money = ₹ 100
 She gave to her sister = ₹ 70.50
 \therefore Remaining money with her = ₹ 100 - ₹ 70.50
 = ₹ 29.50
 Hence, Megha have ₹ 29.50 left now.

₹	p
9 9 10	
100 00	
- 70 50	
29 50	

3. Jack has money = ₹ 250
 \therefore Jill has ₹ 73.60 less than Jack.
 So, Jill has money = ₹ 250 - ₹ 73.60
 = ₹ 176.40

₹	p
1 14 9 10	
250 00	
- 73 60	
176 40	

4. Ravi gave money to the shopkeeper
 = ₹ 100 note
 And, the shopkeeper returned him
 = ₹ 25.75
 Cost of sauce bought by Ravi = ₹ 100 - ₹ 25.75
 = ₹ 74.25
 Hence, the cost of the bottle of sauce is ₹ 74.25.

₹	p
9 9 9 10	
100 00	
- 25 75	
74 25	

5. New cost of a bottle of fun cola
= ₹ 23.50
And, old cost of Fun cola = ₹ 5 less
So, the old cost of a bottle of fun
Cola = ₹ 23.50 – ₹ 5.00
= ₹ 18.50.


$$\begin{array}{r} \text{₹} \quad \text{p} \\ 23.50 \\ - 5.00 \\ \hline 18.50 \end{array}$$

6. Cost of Tina's doll = ₹ 127
Cost of Tina's doll ₹ 34 more than
maya's doll.
So, cost of maya's doll = ₹ 127 – ₹ 34
= ₹ 93.

$$\begin{array}{r} ₹ 127 \\ - ₹ 34 \\ \hline ₹ 93 \end{array}$$

MCQs



Tick (✓) the correct option :













- Ans. 1.  = ₹ _____
b. 70.50
2. Seventy three rupees and seventy five paise is the same as :
c. ₹ 73.75
3. The sum of ₹ 20 and ₹ 16 is :
a. ₹ 36
4. Rehana bought a book for ₹ 45.50. She gave 100 rupee note to the
shopkeeper. How much money she got back from the shopkeeper?
b. ₹ 54.50
5. How many 5 rupee coins are needed for a 50 rupee note?
a. 10



NEP Computational and Analytical Thinking

Rahul purchase the following items from different shops.
Help him to get the amount back from the shopkeepers.
Ans.

Item Purchased	Total Money	Money Paid	Money Received Back
<p>a.</p>  <p>₹ 25 ₹ 15</p>	$\begin{array}{r} ₹ 25 \\ + ₹ 15 \\ \hline ₹ 40 \end{array}$		$\begin{array}{r} ₹ 50 \\ - ₹ 40 \\ \hline ₹ 10 \end{array}$

<p>b.</p>  ₹ 30  ₹ 45	$\begin{array}{r} ₹ 45 \\ + ₹ 30 \\ \hline ₹ 75 \end{array}$		$\begin{array}{r} ₹ 100 \\ - ₹ 75 \\ \hline ₹ 25 \end{array}$
<p>c.</p>  ₹ 22  ₹ 65	$\begin{array}{r} ₹ 22 \\ + ₹ 65 \\ \hline ₹ 87 \end{array}$		$\begin{array}{r} ₹ 100 \\ - ₹ 87 \\ \hline ₹ 13 \end{array}$
<p>d.</p>  ₹ 275  ₹ 35	$\begin{array}{r} ₹ 275 \\ + ₹ 35 \\ \hline ₹ 310 \end{array}$		$\begin{array}{r} ₹ 500 \\ - ₹ 310 \\ \hline ₹ 190 \end{array}$
<p>e.</p>  ₹ 25  ₹ 60	$\begin{array}{r} ₹ 25 \\ + ₹ 60 \\ \hline ₹ 85 \end{array}$		$\begin{array}{r} ₹ 100 \\ - ₹ 85 \\ \hline ₹ 15 \end{array}$

11

Patterns

Can you guess what will come next? Draw it.

Ans.

○ △ △ ○ △ △ ○ △ △ ○

△ ▽ △ ▽ △ ▽ △ ▽ △ ▽

○ ○ ○ ○ ○ ○ ○ ○ ○○ ○○ ○○ ○○

5

10

15

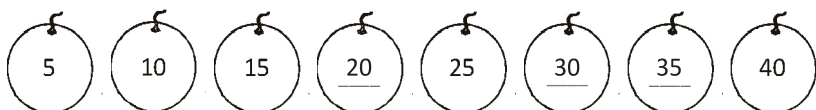
20

25 30

Exercise**Look at the patterns and fill up the boxes :****Ans.****Exercise****Observe and complete the given table :****Ans.**

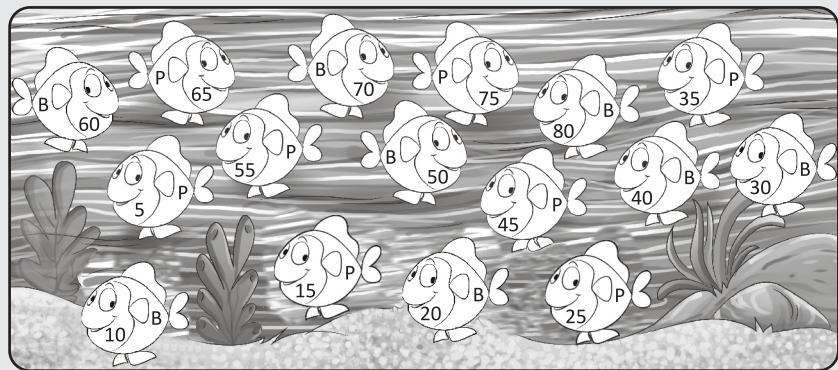
6	6	9	9	12	12	15	15
AA	BB	CC	DD	EE	FF	GG	HH
UP	DOWN	UP	DOWN	UP	DOWN	UP	DOWN
AZ	AY	AX	AW	AV	AU	AT	AS
AB	BC	CD	DE	EF	FG	GH	HI
DAY	NIGHT	DAY	NIGHT	DAY	NIGHT	DAY	NIGHT

Let us look at some patterns with numbers. Fill the number in the blank space of each pattern.

Ans.



Colour the fish blue with even numbers and pink with odd numbers.
Ans.



MCQs

Tick (✓) the correct option :

- Ans. 1. 5 10 15 20 :
 b. 25
2. 9 18 27 36 45 :
 a. 54
3. AB A AB B AC
 c. C
4.
 b.

12

Time and Calendar

Read the time on the clock and fill in the boxes :

Ans.



Rahul get up in the morning at 6 o'clock.



Rahul takes his breakfast at 7 o'clock.



Rahul goes to school at 8 o'clock.



Rahul plays in the evening at 4 o'clock.

Exercise

Write the time :

Ans.



9 o'clock



5 o'clock



11 o'clock



7 o'clock



12 o'clock



6 o'clock

Draw the hands to show the time :

Ans.



3 o'clock



8 o'clock



10 o'clock

Exercise

Write the time :

Ans.



10 : 15



10 : 30



10 : 45



11 : 00



02 : 30



12 : 30



04 : 15



09 : 45

Write the time :
Ans.

7:45
quarter to eight

6:30
half past six

12:30
half past twelve

9:30
half past nine

5:15
quarter past five

1:15
quarter past one

11:45
quarter to twelve

4:45
quarter to five

Draw the hands to show the time :
Ans.



half past 3



quarter past seven



quarter to four



half past one

Exercise

Fill in :

Ans. 60 minutes make an hour.

24 hours make a day.

7 days make a week.

12 months make a year.

A common year has 365 days.

A leap year has 366 days.

The first day of the week is Sunday .

The second month of the year is February .

The seventh month of the year is July .

May has 31 days and November has 30 days .

February has 29 days in a leap year.



Exercise

Look at the given calendar and fill in the dates :

Ans.

3 days after 2 June :

5 June

5 days before 15 July :

10 July

4 days after 4 May :

8 May

2 days before 12 June :

10 June

2 days after 20 April : 22 April 7 days before 1 March : 22 February
 10 days after 25 January : 4 February 7 days before 2 May : 25 April

Look at the given calendar and fill in :

Ans.

There are 5 Sundays in October.

5 September (Teacher's day) is a Monday .

2 October (Gandhiji's birthday) falls on a Sunday .



NEP Development of Traditional Knowledge

Find the birthday month of these legends of India and match the picture with their birthday months.

Ans.



Mother Teresa



A.P.J. Abdul Kalam



Salman Khan



Bhagat Singh

January

Febraury

March

April

May

June

July

August

September

October

November

December



Sardar Patel



Kalpana Chawla



Dr. B.R. Ambedkar



Mahendra Singh Dhoni

Exercise

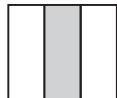
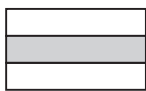
Colour half ($\frac{1}{2}$) of each figure given below :

Ans.



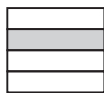
Colour one-third ($\frac{1}{3}$) of each figure given below :

Ans.



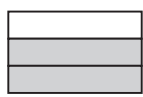
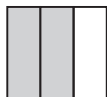
Colour one-fourth ($\frac{1}{4}$) of each figure given below :

Ans.



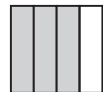
Colour two-third ($\frac{2}{3}$) of each figure given below :

Ans.




Colour three-fourth ($\frac{3}{4}$) of each figure given below :

Ans.




MCQs

Tick (✓) the correct option :

Ans. 1. What fraction of this figure is shaded? 

c. $\frac{3}{4}$

2. How many one-third are there in a whole? 

c. 3

3. Which of the following figure shows one-half?

a. 





- Trace the following shapes.

Ans. Do it yourself.

Exercise

Write the number of sides and corners for each figure :



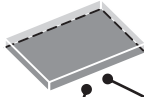


Ans.

<p>a. </p> <div style="border: 1px solid gray; border-radius: 15px; padding: 5px; display: inline-block;"> Sides <u> 3 </u> Corners <u> 3 </u> </div>	<p>b. </p> <div style="border: 1px solid gray; border-radius: 15px; padding: 5px; display: inline-block;"> Sides <u> 4 </u> Corners <u> 4 </u> </div>
<p>c. </p> <div style="border: 1px solid gray; border-radius: 15px; padding: 5px; display: inline-block;"> Sides <u> 4 </u> Corners <u> 4 </u> </div>	<p>d. </p> <div style="border: 1px solid gray; border-radius: 15px; padding: 5px; display: inline-block;"> Sides <u> 0 </u> Corners <u> 0 </u> </div>

Exercise

Match the shapes with pictures :








Ans.

Sphere	Cube	Cuboid	Cone	Cylinder
				

Exercise

Match the objects with the shape it has :

Ans.

   	SPHERE CUBOID CYLINDER CONE	  
---	--------------------------------------	---

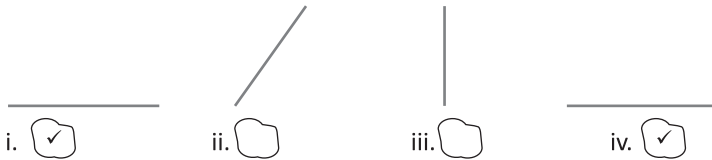
Complete the following table :

Ans.

Name of shape	Faces	Edges	Corners/vertices
Cylinder	3	2	0
Cone	2	1	1
Sphere	1	0	0
Cube	6	12	8
Cuboid	6	12	8

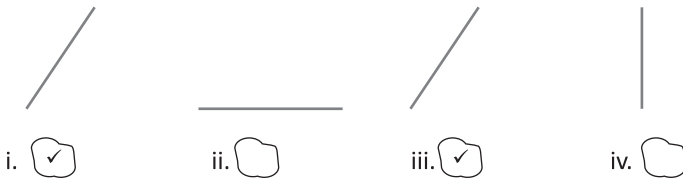
1. Put a tick (✓) for horizontal lines :

Ans.



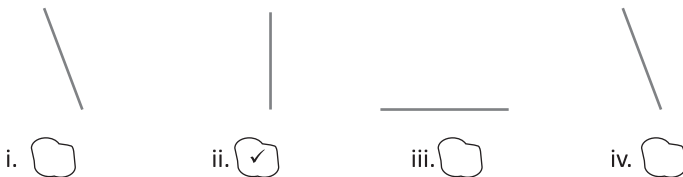
2. Put a tick (✓) for slant lines :

Ans.



3. Put a tick (✓) for vertical lines :

Ans.



4. Count and write the number of horizontal lines, vertical lines and slant lines in each shape :

Ans.



Horizontal lines = 1
Vertical lines = 0
Slant lines = 2



Horizontal lines = 2
Vertical lines = 2
Slant lines = 0



Look at the following figure carefully and count the number of shapes. Colour the figure using the colour code.

square 3 rectangle 9

triangle 5 circle 7





MCQs

Tick (✓) the correct option :

- Ans. 1. Which of these has a curved side?
c. circle
2. Which of these has the most number of faces?
a. cube
3. Which of these has maximum sides?
b. square
4. The number of corners in a rectangle is :
a. 4

Look at the given picture and fill the table below :

Ans.

Vehicle	Number
	1
	3
	2
	2







This is called collection of information or data.

Look at the pictograph and answer the following questions :

- How many cars were sold in Delhi? 500 cars
- How many cars were sold in Chennai? 300 cars
- How many cars were sold in Kolkata? 400 cars
- How many cars were sold in Mumbai? 300 cars
- How many cars in total were sold in the year? 1500 cars




Exercise

- The traffic police conducted a survey of vehicles passing through a particular place in 10 minutes on a particular day. Read the pictograph given below and answer the questions. Here one picture represents 4 vehicles.

Buses	
Cars	
Bicycles	
Motor bikes	






- Ans.
- The number of cars running through the place in 10 minutes is 36.
 - Cars have the maximum number.
 - Motor bikes have the minimum number.
 - Total 108 vehicles are passing through the place in 10 minutes in all.

2. The number of cars sold in a year in three cities are shown in the pictograph. Find the number of cars sold in that year in each city.

Delhi	
Mumbai	
Shillong	

Here, one picture represents 100 cars.






- Ans. 500 cars were sold in Delhi.
300 cars were sold in Mumbai.
400 cars were sold in Shillong.
3. The pictograph given below shows the number of vegetables which a greengrocer possesses.

Carrots	
Brinjals	
Lemons	
Tomatoes	
Chillies	

Read the pictograph and answer the questions :

- Ans. a. The greengrocer have 5 kinds of vegetables.
b. Lemons are least in number.
c. Carrots are maximum in number.
d. There are 6 tomatoes.
4. Anita made a pictograph to show different kinds of fish in her aquarium.

Number of fish in Anita's Aquarium

Guppy	
Pufferfish	
Anglefish	
Neon	
Zebrafish	

[One picture represents 2 fish.]

Ans. From the pictograph, let us find :

- Anita have 5 kinds of fish.
- She has 4 Neons more than Guppies.
- She has 2 Angle fish more than Zebra fish.



NEP Adaptive Education

Ask of your classmates his or her birthday and note it down.

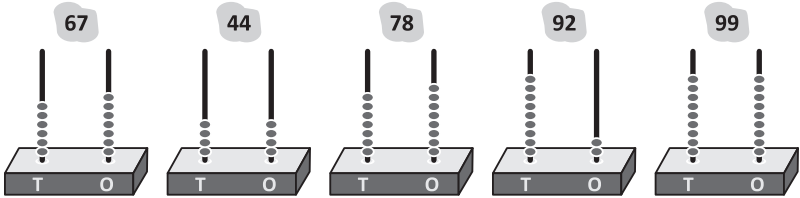
Colour as many smiley faces as the number of children with their birthday in that month.

Ans. Do it yourself.



Exercise 1.1

1. Read the following numbers aloud and represent them on the abacus.



2. What are the digits used to write the following numbers in numerals?

- | | | | |
|-----------------|-----------|------------------|-----------|
| a. Sixteen | 16 | b. Forty-one | 41 |
| c. Thirty-two | 32 | d. Seventy-three | 73 |
| e. Fifty-eight | 58 | f. Sixty-four | 64 |
| g. Twenty | 20 | h. Ninety-nine | 99 |
| i. Thirty-five | 35 | j. Eighty-two | 82 |
| k. Seventy-four | 74 | l. Forty-six | 46 |
| m. Ninety-two | 92 | n. Sixty-one | 61 |
| o. Twenty-seven | 27 | p. Seventy-nine | 79 |
| q. Eighty-eight | 88 | r. Ninety-five | 95 |

Exercise 1.2

1. Fill in the blanks :

- | | |
|-------------------------|-------------------------|
| a. 21 = 2 tens + 1 one | b. 33 = 3 tens + 3 ones |
| c. 40 = 4 tens + 0 one | d. 56 = 5 tens + 6 ones |
| e. 18 = 1 ten + 8 ones | f. 35 = 3 tens + 5 ones |
| g. 62 = 6 tens + 2 ones | h. 74 = 7 tens + 4 ones |
| i. 30 = 3 tens + 0 one | j. 41 = 4 tens + 1 one |

2. Fill in the blanks :

- | | |
|-------------------------|-------------------------|
| a. 38 = 3 tens + 8 ones | b. 70 = 7 tens + 0 one |
| c. 65 = 6 tens + 5 ones | d. 91 = 9 tens + 1 one |
| e. 19 = 1 ten + 9 ones | f. 58 = 5 tens + 8 ones |
| g. 85 = 8 tens + 5 ones | h. 43 = 4 tens + 3 ones |

3. Fill in the boxes :

- | | |
|----------------|----------------|
| a. 26 = 20 + 6 | b. 43 = 40 + 3 |
| c. 31 = 30 + 1 | d. 12 = 10 + 2 |
| e. 54 = 50 + 4 | f. 35 = 30 + 5 |
| g. 29 = 20 + 9 | h. 22 = 20 + 2 |
| i. 67 = 60 + 7 | j. 47 = 40 + 7 |

4. Arrange in ascending order (starting from the smallest):

- a. 17 23 15 30 33 28 29 35
15 17 23 28 29 30 33 35
- b. 41 52 50 47 39 45 38 40
38 39 40 41 45 47 50 52
- c. 28 33 20 51 49 25 36 42
20 25 28 33 36 42 49 51
- d. 48 45 50 47 49 43 46 44
43 44 45 46 47 48 49 50

5. Arrange in descending order (starting from the greatest):

- a. 23 72 14 95 38 50 83 61
95 83 72 61 50 38 23 14
- b. 70 55 62 21 40 33 26 58
70 62 58 55 40 33 26 21
- c. 65 37 15 59 73 54 9 49
73 65 59 54 49 37 15 9
- d. 11 26 32 20 42 85 62 56
85 62 56 42 32 26 20 11

6. Fill in the blanks in the correct order :

- a. 39 **40 41 42 43 44 45 46 47** 48
- b. 61 **62 63 64 65 66 67 68 69** 70
- c. 54 **55 56 57 58 59 60 61 62** 63
- d. 72 **73 74 75 76 77 78 79 80** 81
- e. 80 **81 82 83 84 85 86 87 88** 89
- f. 91 **92 93 94 95 96 97 98 99** 100

Exercise 1.3

1. Fill in the boxes with the missing numbers.

- 101** 102 **103** **104** **105** **106** **107** **108** **109** **110**
111 **112** **113** **114** **115** **116** **117** **118** **119** **120**
121 **122** **123** **124** **125** **126** **127** **128** **129** 130
131 **132** **133** **134** **135** **136** **137** **138** **139** **140**
141 **142** **143** **144** **145** **146** **147** **148** **149** **150**
151 **152** **153** **154** **155** **156** **157** **158** **159** **160**
161 **162** **163** **164** **165** **166** **167** **168** **169** **170**
171 **172** **173** **174** **175** **176** **177** **178** **179** **180**
181 **182** **183** **184** **185** **186** **187** **188** **189** **190**
191 **192** **193** **194** **195** **196** **197** **198** **199** **200**

2. Read the number name and write the number in the box :

- a. One hundred fifteen **115** b. One hundred nineteen **119**
c. One hundred twenty **120** d. One hundred twelve **112**
e. One hundred three **103** f. One hundred seven **107**

3. Write the number names :

- a. 109 **One hundred nine**
b. 113 **One hundred thirteen.**

- c. 117 **One hundred seventeen.**
- d. 124 **One hundred twenty-four.**
- e. 128 **One hundred twenty-eight.**
- f. 139 **One hundred thirty-nine.**

4. Fill in the blanks with the correct sign $<$, $>$, or $=$

- a. 102 $>$ 73 b. 108 $<$ 123 c. 167 $>$ 98
- d. 145 $<$ 156 e. 120 $>$ 29 f. 98 $<$ 129
- g. 156 $<$ 189 h. 145 $<$ 170 i. 176 $<$ 180
- j. 190 $>$ 105 k. 146 $<$ 178 l. 200 $>$ 199
- m. 108 $<$ 180 n. 179 $>$ 169 o. 154 $>$ 145

5. Arrange the numbers given below in ascending order :

- a. 56, 123, 145, 29, 68, 97, 137, 111
29 56 68 97 111 123 137 145
- b. 129, 145, 160, 176, 134, 78, 179, 167
78 129 134 145 160 167 176 179
- c. 128, 150, 135, 187, 75, 200, 113, 89
75 89 113 128 135 150 187 200



Place Value and Face Value

237 = 200 + 30 + 7

285 = 200 + 80 + 5

300 = 300 + 0 + 0



Expanded Form of a Number

Write the numbers in expanded form :

- a. 211 = 2 hundreds + 1 ten + 1 one
- b. 229 = 2 hundreds + 2 tens + 9 ones
- c. 241 = 2 hundreds + 4 tens + 1 one
- d. 257 = 2 hundreds + 5 tens + 7 ones
- e. 295 = 2 hundreds + 9 tens + 5 ones

Exercise 1.4

1. Write the missing numbers :

201	202	203	204	205	206	207	208	209	210
211	212	213	214	215	216	217	218	219	220
221	222	223	224	225	226	227	228	229	230
231	232	233	234	235	236	237	238	239	240
241	242	243	244	245	246	247	248	249	250
251	252	253	254	255	256	257	258	259	260
261	262	263	264	265	266	267	268	269	270
271	272	273	274	275	276	277	278	279	280
281	282	283	284	285	286	287	288	289	290
291	292	293	294	295	296	297	298	299	300

2. Read the number name and write the number in the box :

- a. Two hundred seven **207** b. Two hundred nineteen **219**

- c. Two hundred twenty-eight **228** d. Two hundred thirty **230**
 e. Two hundred thirty-nine **239** f. Two hundred forty-four. **244**

3. Write the number names :

- a. 202 **Two hundred two**
 b. 207 **Two hundred seven**
 c. 211 **Two hundred eleven**
 d. 220 **Two hundred twenty**
 e. 223 **Two hundred twenty-three**
 f. 235 **Two hundred thirty-five**

Exercise 1.5

Write the number names of the following :

- a. 301 **Three hundred one**
 b. 307 **Three hundred seven**
 c. 310 **Three hundred ten**
 d. 315 **Three hundred fifteen**
 e. 322 **Three hundred twenty-two**
 f. 327 **Three hundred twenty-seven**
 g. 335 **Three hundred thirty-five**



Comparing Numbers (301 – 400)

Fill in the blanks using > or < :

- a. $302 < 313$ b. $314 > 311$ c. $360 > 340$
 d. $386 > 382$ e. $388 < 390$ f. $400 > 399$

Exercise 1.6

1. Read the following numbers and write them in the place-value chart :

- a. 409 b. 436 c. 478 d. 500

	Number	Hundreds	Tens	Ones
a.	409	400	0	9
b.	436	400	30	6
c.	478	400	70	8
d.	500	500	0	0

2. Fill in the blanks with the help of the above place-value chart :

- a. Place value of 4 in all the numbers is **400** and face value is **4**.
 b. Place value of 3 in (b) is **30** and face value is **3**.
 c. Place value of 8 in (c) is **8**.
 d. Place value of 5 in (d) is **500**.

3. Write numbers from 451 to 500.

- 451 452 453 454 455 456 457 458 459 460**
461 462 463 464 465 466 467 468 469 470
471 472 473 474 475 476 477 478 479 480
481 482 483 484 485 486 487 488 489 490
491 492 493 494 495 496 497 498 499 500

Look at the picture given below and answer the following questions.

- My house number is **Three hundred seventy six** (write in words).
- My friend Raj's house is just 5 houses away from my house.
My friend's house number is **Three hundred eighty-one** (write in words).
- My mother gave me ₹ **300**
(which is equal to the place value of 3 in my house number).
She gave me rupees **Three hundred** (write in words).
- My friend had money three times more than what I had.
Altogether, we carried rupees **One thousand two hundred** (write in words).
- We wish we have money which is equal to the amount ₹ **2100**
if the numbers in hundreds and thousands place are interchanged.
Now, let us know the numbers beyond 3-digit numbers or 999.

Exercise 2.1

- Write the number names of the following numerals.
 - 3284 **Three thousand two hundred eighty-four.**
 - 5273 **Five thousand two hundred seventy-three.**
 - 8400 **Eight thousand four hundred.**
- Fill in the boxes.
 - 6357 = **6** thousands + **3** hundreds + **5** tens + **7** ones
 - 7089 = **7** thousands + **0** hundred + **8** tens + **9** ones
 - 9999 = **9** thousands + **9** hundreds + **9** tens + **9** ones
 - 7500 = **7** thousands + **5** hundreds + **0** ten + **0** one
- Tick (✓) against the 4-digit numbers only.
 - 5736 (✓)
 - 246
 - 1009 (✓)
 - 172
 - 8030 (✓)
 - 903
 - 7249 (✓)
 - 6000 (✓)
- Write the numbers formed from the following :
 - 248
 - 1095
 - 1572
- Write the numbers for the following number names.
 - Five thousand three hundred forty-five **5345**
 - Eight thousand one hundred sixty **8160**
 - Four thousand four hundred **4400**
 - Nine thousand forty-seven **9047**
 - Three thousand twenty **3020**
 - One thousand one hundred eleven **1111**
- Read the abacus and write the numbers and their number names.
 - Number : **2463**
 - Number : **7025**
 - Number : **4905**

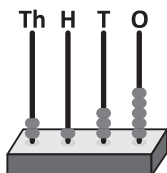
Number name :
Two thousand four
hundred sixty-three

Number name :
Seven thousand
Twenty-Five

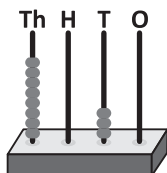
Number name :
Four thousand nine
hundred Five

7. Draw the beads on the abacus to represent the given numbers.

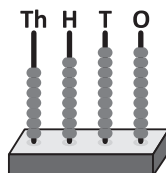
a. 2135



b. 8030



c. 7899



Exercise 2.2

1. Circle the even numbers.

(1024) 2031 2037 (3038) (3018) 4015
 (4074) 5239 (5390) (6108) 6815 (1370)
 1437 (2532) 4681 9045 (9452) 3453

2. Circle the odd numbers.

(1113) (1429) 2942 (3475) 2892 3020
 (4573) 4824 (5629) 5040 6666 4386
 (6999) (7001) 7090 (8247) 8648 (9533)

3. Count forward and fill in the missing numbers by skip counting.

a. Counting in 2s : 7762, 7764, **7766, 7768**, 7770, **7772**, 7774.

b. Counting in 5s : 6995, 7000, **7005**, 7010, **7015, 7020**, 7025.

c. Counting in 8s : 4442, 4450, **4458, 4466, 4474**, 4482, **4490**.

4. Count backward and fill in the missing numbers by skip counting.

a. Counting in 3s : 3227, 3224, **3221, 3218**, 3215, **3212**, 3209.

b. Counting in 4s : 8880, 8876, **8872, 8868, 8864, 8860**, 8856.

c. Counting in 7s : 1555, 1548, **1541, 1534, 1527, 1520**, 1513.

5. Study the number patterns and fill in the missing numbers.

a. 8890, **8892, 8894**, 8896, 8898, **8900**.

b. 5712, **5722, 5732, 5742**, 5752, 5762.

c. 9400, 9300, **9200, 9100, 9000**, 8900.

d. 8554, **7554, 6554**, 5554, 4554, **3554**.

Exercise 2.3

1. Write the place value of the underlined digits.

a. 5487
400

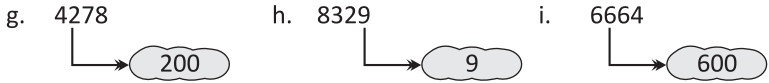
b. 9380
9000

c. 2408
0

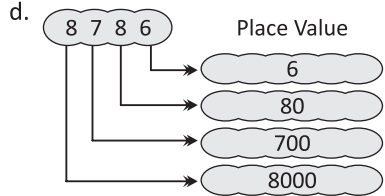
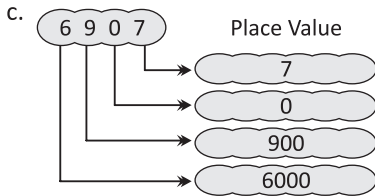
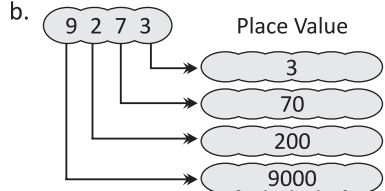
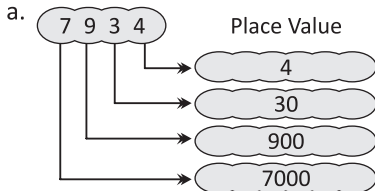
d. 8004
8000

e. 7092
0

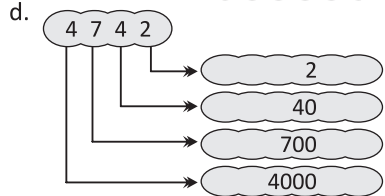
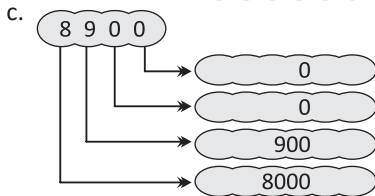
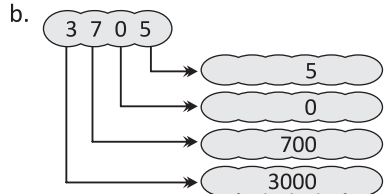
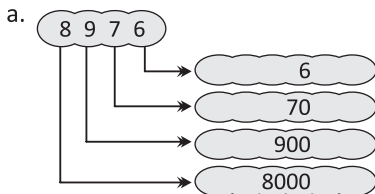
f. 5327
7



2. Write the place value of each digit in the following numbers.



3. Write the number for the following place values.



4. Circle the number which has :

- a. 5 at the tens place.
2583 8456 7325
- c. 6 at the ones place.
4362 7641 9326

- b. 8 at the thousands place.
4837 2587 8496
- d. 9 at the hundreds place.
9310 7945 2490

Exercise 2.4

1. Write the expanded form of the following numbers. One has been done for you.

- a. 7945 = 7000 + 900 + 40 + 5 b. 8273 = 8000 + 200 + 70 + 3
- c. 6434 = 6000 + 400 + 30 + 4 d. 8179 = 8000 + 100 + 70 + 9
- e. 5024 = 5000 + 0 + 20 + 4

2. Write the following in short form. One has been done for you.

- a. $4000 + 900 + 70 + 5 = 4975$ b. $5000 + 40 + 8 = 5048$
 c. $6000 + 400 + 90 + 2 = 6492$ d. $1000 + 200 + 9 = 1209$
 e. $2000 + 300 + 60 + 7 = 2367$ f. $6000 + 500 + 30 + 2 = 6532$
 g. $4000 + 80 + 5 = 4085$ h. $6000 + 900 + 40 + 6 = 6946$

3. Form the numbers by putting:

- a. 8640 b. 6302

Exercise 2.5

1. Write the predecessors of the following numbers.

- a. 8246 **8245** b. 83264 **83263**
 c. 9636 **9635** d. 5000 **4999**
 e. 9991 **9990** f. 2999 **2998**
 g. 8888 **8887** h. 2796 **2795**

2. Write the successors of the following numbers.

- a. 7326 **7327** b. 9326 **9327**
 c. 1000 **1001** d. 4593 **4594**
 e. 5247 **5248** f. 8734 **8735**
 g. 8423 **8424** h. 1499 **1500**

3. Write the successors and predecessors for each of the following numbers.

	Predecessor	Number	Successor
a.	7368	7369	7370
b.	4824	4825	4826
c.	6430	6431	6432
d.	1110	1111	1112
e.	3899	3900	3901
f.	8346	8347	8348
g.	5793	5794	5795
h.	2322	2323	2324

Exercise 2.6

1. Compare the numbers and put the correct symbol < or > in the boxes.

- a. 4385 > 2596 b. 8736 > 8492 c. 937 < 4820
 d. 5436 < 5487 e. 5873 > 4896 f. 8964 < 8968
 g. 1243 > 502 h. 8036 > 4027 i. 9325 < 9326

2. Circle (O) the largest number and cross (X) the smallest number in each set.

- a. 1248 126 345 1017 b. 2768 3515 978 1153
 b. 8796 4364 7365 9436 d. 1454 3273 1924 2486
 e. 5545 9999 8844 7365 f. 4827 6539 4327 8411

3. Rewrite the following numbers in the ascending order.

- a. 247 < 5364 < 8493 < 8734
 b. 730 < 4850 < 5736 < 9248
 c. 3496 < 4369 < 6524 < 7369

- d. $4827 < 5736 < 7536 < 8472$
 e. $3047 < 5326 < 7028 < 7034$

4. Rewrite the following numbers in the descending order.

- a. $9624 > 7206 > 5364 > 832$
 b. $8340 > 7364 > 5249 > 542$
 c. $3254 > 2345 > 1134 > 1020$
 d. $5311 > 4324 > 4305 > 4302$
 e. $9569 > 5496 > 2948 > 2845$

MCQs

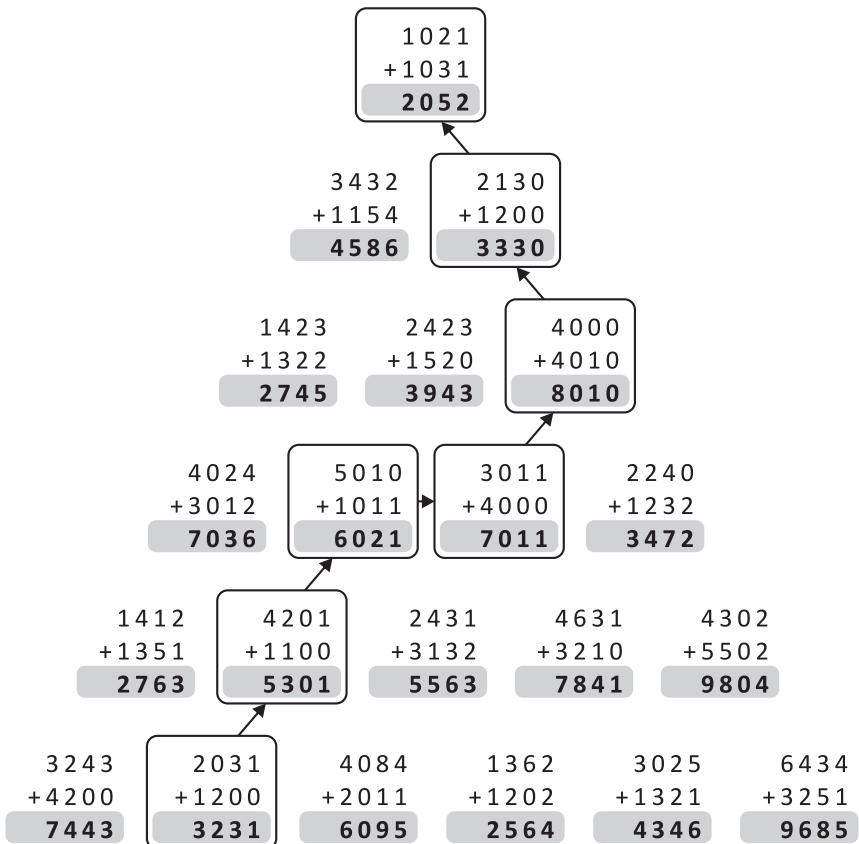
• Tick (✓) the correct option :

1. a. 9009 2. b. 8735 3. b. 8088
 4. a. 1920 5. b. 7770 6. c. 5005

NEP : SDGs for Qualitative Education

Reach on the Top

First solve the additions. Now, starting from the bottom row, add the digits of each sum. If the digits total is 9, then colour the box find the path to reach on the top.





Activity

$$11 = 10 + 1 = X + I = XI$$

$$12 = 10 + 2 = X + II = XII$$

$$13 = 10 + 3 = X + III = XIII$$

$$14 = 10 + 4 = X + IV = XIV$$

$$15 = 10 + 5 = X + V = XV$$

$$16 = 10 + 6 = X + VI = XVI$$

$$17 = 10 + 7 = X + VII = XVII$$

$$18 = 10 + 8 = X + VIII = XVIII$$

$$19 = 10 + 9 = X + IX = XIX$$

$$20 = 10 + 10 = X + X = XX$$

$$21 = 10 + 10 + 1 = X + X + I = XXI$$

$$25 = 10 + 10 + 5 = X + X + V = XXV$$

$$29 = 10 + 10 + 9 = X + X + IX = XXIX$$

$$30 = 10 + 10 + 10 = X + X + X = XXX$$

$$31 = 10 + 10 + 10 + 1 = X + X + X + I = XXXI$$

$$36 = 10 + 10 + 10 + 6 = X + X + X + VI = XXXVI$$

$$37 = 10 + 10 + 10 + 7 = X + X + X + VII = XXXVII$$

Exercise 3

1. Convert the following into Roman numerals :

a. 34 = XXXIV

b. 18 = XVIII

c. 14 = XIV

d. 12 = XII

e. 30 = XXX

f. 39 = XXXIX

g. 20 = XX

h. 29 = XXIX

i. 15 = XV

j. 19 = XIX

2. Convert the following into Hindu-Arabic numerals :

a. XXVI = 26

b. XXV = 25

c. XVIII = 18

d. XX = 20

e. XIX = 19

f. XXXI = 31

g. XVI = 16

h. XXIII = 23

i. XIV = 14

j. XXXII = 32

3. Put a tick (✓) on the correctly written numbers. Put a cross (×) on the incorrectly written numbers :

a. VX = (×)

b. XXV = (✓)

c. XIV = (✓)

d. XIII = (×)

e. XII = (✓)

f. VVI = (×)

g. VVII = (×)

h. VIX = (×)

i. IIII = (×)

j. XXX = (✓)

MCQs

Tick (✓) the correct option :

1. c. XXXIX

2. c. 24

3. b. XXXVI

4. c. 1

5. c. XL

6. a. XLIX

7. b. 290

Exercise 4.1

1. Find the sum :

$$\begin{array}{r} \text{T O} \\ 4 \ 1 \\ + 3 \ 2 \\ + 2 \ 4 \\ \hline 9 \ 7 \end{array}$$

$$\begin{array}{r} \text{T O} \\ 6 \ 0 \\ + 1 \ 2 \\ + 2 \ 3 \\ \hline 9 \ 5 \end{array}$$

$$\begin{array}{r} \text{T O} \\ 5 \ 2 \\ + 1 \ 4 \\ + 2 \ 1 \\ \hline 8 \ 7 \end{array}$$

$$\begin{array}{r} \text{T O} \\ 1 \ 3 \\ + 2 \ 5 \\ + 1 \ 0 \\ \hline 4 \ 8 \end{array}$$

$$\begin{array}{r} \text{T O} \\ 2 \ 1 \\ + 3 \ 0 \\ + 1 \ 7 \\ \hline 6 \ 8 \end{array}$$

$$\begin{array}{r} \text{T O} \\ 5 \ 0 \\ + 2 \ 2 \\ + 1 \ 6 \\ \hline 8 \ 8 \end{array}$$

$$\begin{array}{r} \text{T O} \\ 2 \ 4 \\ + 3 \ 2 \\ + 1 \ 3 \\ \hline 6 \ 9 \end{array}$$

$$\begin{array}{r} \text{T O} \\ 1 \ 2 \\ + 7 \ 3 \\ + 1 \ 1 \\ \hline 9 \ 6 \end{array}$$

2. Solve the following word problems :

- a. In a garden, there are 25 mango trees and 33 chickoo trees. How many trees are there in the garden?

Number of mango trees = 25

And, number of chickoo trees = 33

So, the total number of trees in the garden

= $25 + 33 = 58$ trees.

$$\begin{array}{r} \text{T O} \\ 2 \ 5 \\ + 3 \ 3 \\ \hline 5 \ 8 \end{array}$$

- b. A milkman sells 34 litres of milk on Monday and 22 litres of milk on Tuesday. How many litres of milk does he sell on two days?

Milkman sells milk on Monday = 34 l

And he sells Milk on Tuesday = 22 l

So, total quantity of milk sold by the

milkman = $34 \text{ l} + 22 \text{ l} = 56$ litres.

$$\begin{array}{r} \text{T O} \\ 3 \ 4 \\ + 2 \ 2 \\ \hline 5 \ 6 \end{array}$$

- c. Varun has two notebooks. One book has 40 pages and the other has 50 pages. How many pages are there in the two books?

Number of pages in first book = 40

And, number of pages in second book = 50

So, the total number of pages in varun's two note books

= $40 + 50 = 90$ pages.

$$\begin{array}{r} \text{T O} \\ 4 \ 0 \\ + 5 \ 0 \\ \hline 9 \ 0 \end{array}$$

- d. At a birthday party, there were 13 girls and 12 boys. How many children were present in the party?

Number of girls in party = 13

And, number of boys in party = 12

So, the total number of children who present

in the party = $13 + 12 = 25$ children.

$$\begin{array}{r} \text{T O} \\ 1 \ 3 \\ + 1 \ 2 \\ \hline 2 \ 5 \end{array}$$

Exercise 4.2

1. Add the following :

<p>a.</p> <table border="1" style="border-collapse: collapse; width: 100px; text-align: center;"> <tr><td>H</td><td>T</td><td>O</td></tr> <tr><td>3</td><td>3</td><td></td></tr> <tr><td>+</td><td>2</td><td>4</td></tr> <tr><td>+</td><td>3</td><td>7</td></tr> <tr style="background-color: #e0e0e0;"><td>9</td><td>4</td><td></td></tr> </table>	H	T	O	3	3		+	2	4	+	3	7	9	4		<p>b.</p> <table border="1" style="border-collapse: collapse; width: 100px; text-align: center;"> <tr><td>H</td><td>T</td><td>O</td></tr> <tr><td>6</td><td>8</td><td></td></tr> <tr><td>+</td><td>3</td><td>2</td></tr> <tr><td>+</td><td>3</td><td>1</td></tr> <tr style="background-color: #e0e0e0;"><td>1</td><td>3</td><td>1</td></tr> </table>	H	T	O	6	8		+	3	2	+	3	1	1	3	1	<p>c.</p> <table border="1" style="border-collapse: collapse; width: 100px; text-align: center;"> <tr><td>H</td><td>T</td><td>O</td></tr> <tr><td>4</td><td>2</td><td></td></tr> <tr><td>+</td><td>5</td><td>7</td></tr> <tr><td>+</td><td>6</td><td>3</td></tr> <tr style="background-color: #e0e0e0;"><td>1</td><td>6</td><td>2</td></tr> </table>	H	T	O	4	2		+	5	7	+	6	3	1	6	2	<p>d.</p> <table border="1" style="border-collapse: collapse; width: 100px; text-align: center;"> <tr><td>H</td><td>T</td><td>O</td></tr> <tr><td>3</td><td>3</td><td></td></tr> <tr><td>+</td><td>4</td><td>4</td></tr> <tr><td>+</td><td>5</td><td>5</td></tr> <tr style="background-color: #e0e0e0;"><td>1</td><td>3</td><td>2</td></tr> </table>	H	T	O	3	3		+	4	4	+	5	5	1	3	2
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Exercise 4.3

1. Find the sum :

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2. Add horizontally :

a. $3214 + 1532 = 4746$	b. $4312 + 2654 = 6966$
c. $7314 + 1625 = 8939$	d. $6710 + 2139 = 8849$

Exercise 4.4

1. Add the following :

<p>a.</p> <table border="1" style="border-collapse: collapse; width: 100px; text-align: center;"> <tr><td>Th</td><td>H</td><td>T</td><td>O</td></tr> <tr><td>1</td><td>1</td><td>1</td><td></td></tr> <tr><td>4</td><td>3</td><td>4</td><td>6</td></tr> <tr><td>+</td><td>1</td><td>8</td><td>5</td></tr> <tr style="background-color: #e0e0e0;"><td>6</td><td>6</td><td>5</td><td>9</td></tr> </table>	Th	H	T	O	1	1	1		4	3	4	6	+	1	8	5	6	6	5	9	<p>b.</p> <table border="1" style="border-collapse: collapse; width: 100px; text-align: center;"> <tr><td>Th</td><td>H</td><td>T</td><td>O</td></tr> <tr><td>1</td><td>1</td><td>1</td><td></td></tr> <tr><td>4</td><td>7</td><td>8</td><td>2</td></tr> <tr><td>+</td><td>3</td><td>2</td><td>3</td></tr> <tr style="background-color: #e0e0e0;"><td>7</td><td>7</td><td>7</td><td>9</td></tr> </table>	Th	H	T	O	1	1	1		4	7	8	2	+	3	2	3	7	7	7	9	<p>c.</p> <table border="1" style="border-collapse: collapse; width: 100px; text-align: center;"> <tr><td>Th</td><td>H</td><td>T</td><td>O</td></tr> <tr><td>1</td><td>1</td><td>1</td><td></td></tr> <tr><td>7</td><td>1</td><td>3</td><td>6</td></tr> <tr><td>+</td><td>1</td><td>9</td><td>7</td></tr> <tr style="background-color: #e0e0e0;"><td>9</td><td>7</td><td>4</td><td>0</td></tr> </table>	Th	H	T	O	1	1	1		7	1	3	6	+	1	9	7	9	7	4	0
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2. Add the following :

a. $4349 + 1456 = 5805$	b. $1763 + 1522 = 3285$
c. $2936 + 1264 = 4200$	d. $7649 + 1891 = 9540$

MCQs









Tick (✓) the correct option :

- | | | |
|------------|-----------|------------|
| 1. a. 5000 | 2. c. 611 | 3. b. 8000 |
|------------|-----------|------------|

NEP : Adaptive Education

Solve the problem on each key to get the number of the bike it belongs to.

Match the correct key to each bike.

1.		a. 844	
2.		b. 3871	
3.		c. 1020	
4.		d. 904	

5

Subtraction

Exercise 5.1

Find the difference :

a.	<table border="1" style="border-collapse: collapse; width: 60px; height: 60px; margin: auto;"><tr><td style="padding: 2px;">T</td><td style="padding: 2px;">O</td></tr><tr><td style="padding: 2px;">5</td><td style="padding: 2px;">4</td></tr><tr><td style="padding: 2px;">- 2</td><td style="padding: 2px;">3</td></tr><tr><td style="padding: 2px;">3</td><td style="padding: 2px;">1</td></tr></table>	T	O	5	4	- 2	3	3	1	b.	<table border="1" style="border-collapse: collapse; width: 60px; height: 60px; margin: auto;"><tr><td style="padding: 2px;">T</td><td style="padding: 2px;">O</td></tr><tr><td style="padding: 2px;">6</td><td style="padding: 2px;">8</td></tr><tr><td style="padding: 2px;">- 2</td><td style="padding: 2px;">4</td></tr><tr><td style="padding: 2px;">4</td><td style="padding: 2px;">4</td></tr></table>	T	O	6	8	- 2	4	4	4	c.	<table border="1" style="border-collapse: collapse; width: 60px; height: 60px; margin: auto;"><tr><td style="padding: 2px;">T</td><td style="padding: 2px;">O</td></tr><tr><td style="padding: 2px;">3</td><td style="padding: 2px;">3</td></tr><tr><td style="padding: 2px;">- 1</td><td style="padding: 2px;">2</td></tr><tr><td style="padding: 2px;">2</td><td style="padding: 2px;">1</td></tr></table>	T	O	3	3	- 1	2	2	1	d.	<table border="1" style="border-collapse: collapse; width: 60px; height: 60px; margin: auto;"><tr><td style="padding: 2px;">T</td><td style="padding: 2px;">O</td></tr><tr><td style="padding: 2px;">5</td><td style="padding: 2px;">7</td></tr><tr><td style="padding: 2px;">- 2</td><td style="padding: 2px;">6</td></tr><tr><td style="padding: 2px;">3</td><td style="padding: 2px;">1</td></tr></table>	T	O	5	7	- 2	6	3	1
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Exercise 5.2

Solve the following in your notebook :

a. $609 - 427$	$(-10) = 599$	-	$417 = 182$
b. $400 - 332$	$(-1) = 399$	-	$331 = 68$
c. $640 - 464$	$(-41) = 599$	-	$423 = 176$
d. $903 - 276$	$(-4) = 899$	-	$272 = 627$
e. $330 - 221$	$(-1) = 329$	-	$220 = 109$
f. $405 - 238$	$(-6) = 399$	-	$232 = 167$

Exercise 5.3

Subtract by counting on in your notebook :

a. $63 - 15 = 5 + 40 + 3 = 48$	b. $33 - 11 = 9 + 10 + 3 = 22$
c. $38 - 15 = 5 + 10 + 8 = 23$	d. $65 - 16 = 4 + 40 + 5 = 49$
e. $73 - 35 = 5 + 30 + 3 = 38$	f. $85 - 12 = 8 + 60 + 5 = 73$

Exercise 5.4

Subtract by using place value in your notebook :

- $95 - 12 = 95 - 10 = 85, 85 - 2 = 83$
- $68 - 35 = 68 - 30 = 38, 38 - 5 = 33$
- $75 - 27 = 75 - 20 = 55, 55 - 7 = 48$
- $97 - 59 = 97 - 50 = 47, 47 - 9 = 38$
- $82 - 47 = 82 - 40 = 42, 42 - 7 = 35$
- $73 - 45 = 73 - 40 = 33, 33 - 5 = 28$

Exercise 5.5

1. Find the difference :

- | Th | H | T | O |
|----|---|---|---|
| 6 | 5 | 8 | 3 |
| -4 | 3 | 6 | 2 |
| 2 | 2 | 2 | 1 |
- | Th | H | T | O |
|----|---|---|---|
| 5 | 6 | 1 | 2 |
| -4 | 5 | 0 | 2 |
| 1 | 1 | 1 | 0 |
- | Th | H | T | O |
|----|---|---|---|
| 5 | 9 | 6 | 2 |
| -4 | 1 | 3 | 2 |
| 1 | 8 | 3 | 0 |

2. Arrange vertically and subtract :

- | Th | H | T | O |
|----|---|---|---|
| 6 | 3 | 9 | 6 |
| -2 | 1 | 6 | 2 |
| 4 | 2 | 3 | 4 |

$6396 - 2162 = 4234$
- | Th | H | T | O |
|----|---|---|---|
| 7 | 6 | 4 | 3 |
| -5 | 0 | 2 | 2 |
| 2 | 6 | 2 | 1 |

$7643 - 5022 = 2621$
- | Th | H | T | O |
|----|---|---|---|
| 5 | 4 | 7 | 8 |
| -3 | 2 | 5 | 7 |
| 2 | 2 | 2 | 1 |

$5478 - 3257 = 2221$
- | Th | H | T | O |
|----|---|---|---|
| 6 | 4 | 3 | 8 |
| -2 | 2 | 2 | 8 |
| 4 | 2 | 1 | 0 |

$6438 - 2228 = 4210$

Exercise 5.6

1. Subtract the following :

- | Th | H | T | O |
|--------------|--------------|--------------|--------------|
| 4 | 9 | 9 | 11 |
| 5 | 0 | 0 | 1 |
| -1 | 3 | 5 | 3 |
| 3 | 6 | 4 | 8 |
- | Th | H | T | O |
|--------------|--------------|--------------|---|
| 4 | 9 | 10 | 0 |
| 5 | 0 | 0 | 9 |
| -3 | 2 | 9 | 5 |
| 1 | 7 | 1 | 4 |
- | Th | H | T | O |
|----|--------------|--------------|--------------|
| 0 | 2 | 9 | 12 |
| 9 | 3 | 0 | 1 |
| -6 | 1 | 2 | 8 |
| 3 | 1 | 7 | 4 |

2. Simi's mother is 31 years old. Her grandmother is 58 years old. What is the difference in age between them?

Simi's mother age = 31 years

And, her grandmother's age = 58 years

So, the difference between the age of them

= $58 - 31 = 27$ years.

Th	H
5	8
-3	1
2	7

3. On Sunday, 57 children took the toy-train ride at a park. On Monday, 25 less children took the ride. How many took the ride on Monday?

Children took the ride on Sunday = 57
 25 less children took the ride on Monday
 So, the number of children who took the ride on Monday = $57 - 25 = 32$ children.

Th	H
5	7
- 2	5
3	5

4. India scored 124 runs more than Sri Lanka. If India scored 358 runs, how many did Sri Lanka score?

India scored runs = 358 runs
 \therefore India scored 124 runs more than Sri Lanka.
 So, the score of Sri Lanka = $358 - 124 = 234$ runs.

Th	H	T
3	5	8
- 1	2	4
2	3	4

5. Of the 956 student in a school, 523 play football. How many do not play football?

Number of students who play football = 523
 And, total number of students in the school = 956
 So, the number of students who do not play football = $956 - 523 = 433$ students.

Th	H	T
9	5	6
- 5	2	3
4	3	3

MCQs

Tick (✓) the correct option :

1. c. 6766 2. a. 2340 3. b. 5940

NEP : Computational and Analytical Thinking

Subtract and find out which cat will catch which rat.

Join the two with a line. Also, check the answer using addition.

1. a, 2. b, 3. c, 4. g,
 5. h, 6. e, 7. d, 8. f.



6

Multiplication

Exercise 6.1

1. Fill in the boxes :

- a. $2 \times 8 = 16$ b. $3 \times 3 = 9$ c. $4 \times 5 = 20$
 d. $3 \times 7 = 21$ e. $4 \times 4 = 16$ f. $2 \times 6 = 12$

2. Write the multiplication fact for the following :

- a. $10 + 10 + 10 + 10 = 40 \Rightarrow 4 \times 10$
 b. $3 + 3 + 3 + 3 + 3 + 3 = 21 \Rightarrow 7 \times 3$
 c. $5 + 5 + 5 + 5 + 5 = 25 \Rightarrow 5 \times 5$

3. Fill in the boxes :

- a. $12 \times 4 = 48 \Rightarrow 12$ is multiplicand.
 b. $9 \times 4 = 36 \Rightarrow 4$ is multiplier.
 c. $9 \times 7 = 63 \Rightarrow 63$ is the product.

4. Write the missing numerals:

a. $3 \times 15 = 15 \times 3 = 45$

b. $5 \times 9 = 9 \times 5 = 45$

c. $3 \times 7 = 7 \times 3 = 21$

d. $4 \times 7 = 7 \times 4 = 28$

Exercise 6.2

1. Fill in the boxes:

a. $22 \times 100 = 2200$

b. $19 \times 100 = 1900$

c. $44 \times 100 = 4400$

d. $17 \times 100 = 1700$

e. $33 \times 100 = 3300$

f. $77 \times 100 = 7700$

2. Multiply and write the products in the boxes:

a. $10 \times 22 = 220$

b. $20 \times 13 = 260$

c. $50 \times 15 = 750$

d. $60 \times 3 = 180$

Exercise 6.3

Find the product:

a.

T	O
2	1
×	2
4	
2	

b.

T	O
2	2
×	3
6	
6	

c.

T	O
1	2
×	4
4	
8	

d.

T	O
1	1
×	5
5	
5	

e.

T	O
1	3
×	3
3	
9	

Exercise 6.4

Find the product:

a.

T	O
1	
2	5
×	3
7	
5	

b.

H	T	O
	2	
	2	7
	×	4
1		
0	8	

c.

H	T	O
	3	
	3	5
	×	6
2		
1	0	

d.

H	T	O
	1	
	4	3
	×	6
2		
5	8	

e.

H	T	O
	4	
	4	8
	×	5
2		
4	0	

Exercise 6.5

Find the product:

a.

H	T	O
2	1	
1	7	3
	×	4
6		
9	2	

b.

H	T	O
1	1	
1	6	7
	×	2
3		
3	4	

c.

H	T	O
1	2	
2	5	7
	×	3
7		
7	1	

d.

H	T	O
1	1	
2	6	9
	×	2
5		
3	8	

e.

Th	H	T	O
	2		
3	0	9	3
		×	3
9			
2	7	9	

f.

Th	H	T	O
	2	2	
1	0	2	3
		×	9
9			
2	0	7	

g.

Th	H	T	O
2	2	5	
1	3	3	9
		×	6
8			
0	3	4	

Exercise 6.6

1. Find the product:

a.

Th	H	T	O
		3	
	1	5	
	×	2	7
<hr/>			
1	0	5	
3	0	0	
4	0	5	

b.

Th	H	T	O
		1	
	4	2	
	×	5	3
<hr/>			
1	2	6	
2	1	0	0
2	2	2	6

c.

Th	H	T	O
		1	
	3	9	
	×	9	2
<hr/>			
	7	8	
3	5	1	0
3	5	8	8

d.

Th	H	T	O
		2	
	2	4	
	×	2	7
<hr/>			
1	6	8	
4	8	0	
6	4	8	

e.

Th	H	T	O
		1	
	7	2	
	×	5	0
<hr/>			
	0	0	
3	6	0	0
3	6	0	0

f.

Th	H	T	O
		3	
	2	4	
	×	3	9
<hr/>			
2	1	6	
7	2	0	
9	3	6	

g.

Th	H	T	O
		3	
	6	7	
	×	6	5
<hr/>			
	3	3	5
4	0	2	0
4	3	5	5

h.

Th	H	T	O
		1	
	4	2	
	×	3	8
<hr/>			
	3	3	6
1	2	6	0
1	5	9	6

2. Multiply the following :

a.

Th	H	T	O
		3	4
	×	7	9
<hr/>			
3	0	6	
2	3	8	0
2	6	8	6

∴ $34 \times 79 = 2686$

b.

Th	H	T	O
		7	1
	×	7	1
<hr/>			
	7	1	
4	9	7	0
5	0	4	1

∴ $71 \times 71 = 5041$

c.

Th	H	T	O
		9	1
	×	2	4
<hr/>			
	3	6	4
1	8	2	0
2	1	8	4

∴ $91 \times 24 = 2184$

d.

Th	H	T	O
		7	2
	×	2	1
<hr/>			
	7	2	
1	4	4	0
1	5	1	2

∴ $72 \times 21 = 1512$

e.

Th	H	T	O
		8	6
	×	1	2
<hr/>			
	1	7	2
	8	6	0
1	0	3	2

∴ $86 \times 12 = 1032$

f.

Th	H	T	O
		2	7
	×	4	5
<hr/>			
	1	3	5
1	0	8	0
1	2	1	5

∴ $27 \times 45 = 1215$

g.

Th	H	T	O
		5	5
	×	7	1
<hr/>			
	5	5	
3	8	5	0
3	9	0	5

∴ $55 \times 71 = 3905$

h.

Th	H	T	O
		2	3
	×	4	8
<hr/>			
	1	8	4
	9	2	0
1	1	0	4

∴ $23 \times 48 = 1104$

i.

Th	H	T	O
		6	6
	×	1	1
<hr/>			
	6	6	
6	6	0	
7	2	6	

∴ $66 \times 11 = 726$

Exercise 6.7

1. Find the product :

a.

Th	H	T	O
2	1	9	
× 1 2			

4	3	8	
2	1	9	0
2	6	2	8

b.

Th	H	T	O
1	7	6	
× 2 5			

8	8	0	
3	5	2	0
4	4	0	0

c.

Th	H	T	O
1	5	2	
× 2 4			

6	0	8	
3	0	4	0
3	6	4	8

d.

Th	H	T	O
2	6	2	
× 1 6			

1	5	7	2
2	6	2	0
4	1	9	2

Exercise 6.8

1. 47 children sent 20 New Year cards each. How many cards did they send in all?

Total number of students = 47

Each student sent cards = 20

So, total number of cards they sent in all = 47×20
= 940 cards.

H	T	O
4	7	
× 2 0		

0	0	0
9	4	0
9	4	0

2. If a packet has 52 balloons, how many balloons will 24 such packets have?

A packet has balloons = 52

So, 24 such packets will have balloons = 52×24
= 1248 balloons.

Th	H	T	O
	5	2	
× 2 4			

2	0	8	
1	0	4	0
1	2	4	8

3. A man buys 36 bananas for his monkeys everyday. How many bananas does he buy in a month (30 days)?

A man buys bananas for his monkeys everyday = 36

The number of days in a month = 30

So, he buys bananas for his monkeys in a month = 36×30
= 1080 bananas.

Th	H	T	O
	3	6	
× 3 0			

0	0	0	
1	0	8	0
1	0	8	0

4. A box has a dozen (12) eggs. How many eggs do 35 such boxes have?

A box has eggs = a dozen (12)

So, 35 such boxes have eggs = 12×35
= 420 eggs.

H	T	O
1	2	
× 3 5		

6	0	
3	6	0
4	2	0

5. A wooden almirah costs ₹ 675. Find out the total cost of one dozen such almirah?

Cost of a wooden almirah = ₹ 675

So, the cost of one dozen (i.e. 12)

almirah = ₹ 675×12

= ₹ 8100.

Th	H	T	O
	6	7	5
	\times	1	2
<hr/>			
	1	3	5
	6	7	5
	8	1	0

MCQs

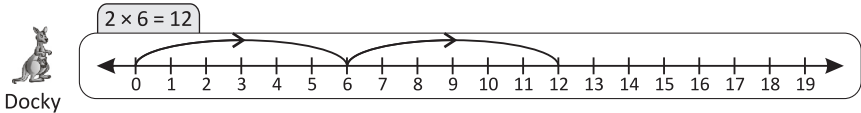
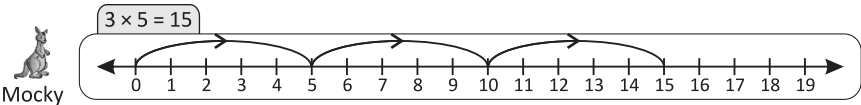
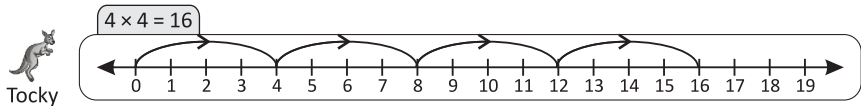
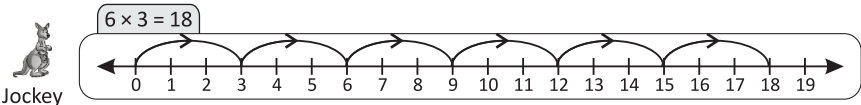
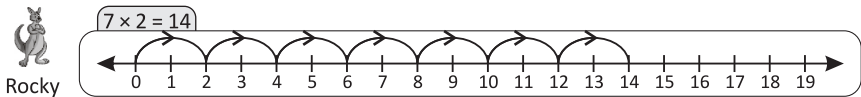
Tick (✓) the correct option :

1. a. 4 2. c. 48 3. b. 12 4. c. 9
5. b. 200 6. b. 225 7. c. 3580 8. a. 726

NEP : Life Skills

The sports day in the jungle is to be held soon. The kangaroos are preparing for the long jump. Rocky, Jockey, Tocky, Mocky, and Docky are taking jumps on the number lines drawn. Where do they then reach?

Draw the jumps.



Who covered the longest distance?

Jockey

Who covered the shortest distance?

Docky



Division

Exercise 7.1

For each of the following multiplication facts, write both the division facts :

a. $6 \times 8 = 48$ $48 \div 6 = 8$
 $48 \div 8 = 6$

b.	9	×	6	=	54	54	÷	9	=	6
						54	÷	6	=	9
c.	4	×	5	=	20	20	÷	4	=	5
						20	÷	5	=	4
d.	7	×	5	=	35	35	÷	7	=	5
						35	÷	5	=	7

Exercise 7.2

1. Fill in the boxes :

a.	$41 \div 41 = 1$	b.	$50 \div 0 = \text{undefine}$	c.	$15 \div 0 = \text{undefine}$
d.	$0 \div 36 = 0$	e.	$66 \div 1 = 66$	f.	$0 \div 77 = 0$

2. Divide by long division method and verify the answer :

a.	$\begin{array}{r} 4 \\ 8 \overline{)32} \\ \underline{-32} \\ 0 \end{array}$	b.	$\begin{array}{r} 5 \\ 7 \overline{)35} \\ \underline{-35} \\ 0 \end{array}$	c.	$\begin{array}{r} 3 \\ 5 \overline{)15} \\ \underline{-15} \\ 0 \end{array}$	d.	$\begin{array}{r} 9 \\ 3 \overline{)27} \\ \underline{-27} \\ 0 \end{array}$
----	--	----	--	----	--	----	--

Verify :-	Verify :-	Verify :-	Verify :-
$D \times Q + R$	$D \times Q + R$	$D \times Q + R$	$D \times Q + R$
$= 8 \times 4 + 0$	$= 7 \times 5 + 0$	$= 5 \times 3 + 0$	$= 3 \times 9 + 0$
$= 32 = \text{dividend.}$	$= 35 = \text{dividend.}$	$= 15 = \text{dividend.}$	$= 27 = \text{dividend.}$

Exercise 7.3

1. Divide and check your answer :

a.	$\begin{array}{r} 43 \\ 2 \overline{)86} \\ \underline{-8} \\ 06 \\ \underline{-6} \\ 0 \end{array}$	b.	$\begin{array}{r} 26 \\ 3 \overline{)78} \\ \underline{-6} \\ 18 \\ \underline{-18} \\ 0 \end{array}$	c.	$\begin{array}{r} 12 \\ 4 \overline{)48} \\ \underline{-4} \\ 08 \\ \underline{-8} \\ 0 \end{array}$
----	--	----	---	----	--

Check :	Check :	Check :
Divisor \times Quotient	Divisor \times Quotient	Divisor \times Quotient
$= 2 \times 43$	$= 3 \times 26$	$= 4 \times 12$
$= 86 = \text{Dividend.}$	$= 78 = \text{Dividend.}$	$= 48 = \text{Dividend.}$

2. Divide and fill in the boxes :

a.	$\begin{array}{r} 11 \\ 5 \overline{)56} \\ \underline{-5} \\ 06 \\ \underline{-5} \\ 1 \end{array}$	b.	$\begin{array}{r} 12 \\ 6 \overline{)77} \\ \underline{-6} \\ 17 \\ \underline{-12} \\ 5 \end{array}$	c.	$\begin{array}{r} 12 \\ 7 \overline{)87} \\ \underline{-7} \\ 17 \\ \underline{-14} \\ 3 \end{array}$
Quotient = 11	Quotient = 12	Quotient = 12			
Remainder = 1	Remainder = 5	Remainder = 3			

Exercise 7.4

1. Divide the following and check your answer :

$$\begin{array}{r} \text{a. } \quad 374 \\ 2 \overline{)748} \\ \underline{-6} \\ 14 \\ \underline{-14} \\ 08 \\ \underline{-8} \\ 0 \end{array}$$

Check :

$$\begin{aligned} \text{Divisor} \times \text{Quotient} \\ = 2 \times 374 \\ = 748 = \text{Dividend.} \end{aligned}$$

$$\begin{array}{r} \text{b. } \quad 272 \\ 2 \overline{)544} \\ \underline{-4} \\ 14 \\ \underline{-14} \\ 04 \\ \underline{-4} \\ 0 \end{array}$$

Check :

$$\begin{aligned} \text{Divisor} \times \text{Quotient} \\ = 2 \times 272 \\ = 544 = \text{Dividend.} \end{aligned}$$

$$\begin{array}{r} \text{c. } \quad 121 \\ 4 \overline{)484} \\ \underline{-4} \\ 08 \\ \underline{-8} \\ 04 \\ \underline{-4} \\ 0 \end{array}$$

Check :

$$\begin{aligned} \text{Divisor} \times \text{Quotient} \\ = 4 \times 121 \\ = 484 = \text{Dividend.} \end{aligned}$$

2. Divide and check your answer :

$$\begin{array}{r} \text{a. } \quad 62 \\ 8 \overline{)497} \\ \underline{-48} \\ 17 \\ \underline{-16} \\ 1 \end{array}$$

$$\begin{aligned} \text{Quotient} &= 62 \\ \text{Remainder} &= 1 \end{aligned}$$

Check :

$$\begin{aligned} Q \times D + R &= \text{Dividend} \\ = 62 \times 8 + 1 \\ = 496 + 1 \\ = 497 = \text{Dividend.} \end{aligned}$$

$$\begin{array}{r} \text{b. } \quad 64 \\ 6 \overline{)386} \\ \underline{-36} \\ 26 \\ \underline{-24} \\ 2 \end{array}$$

$$\begin{aligned} \text{Quotient} &= 64 \\ \text{Remainder} &= 2 \end{aligned}$$

Check :

$$\begin{aligned} Q \times D + R &= \text{Dividend} \\ = 64 \times 6 + 2 \\ = 384 + 2 \\ = 386 = \text{Dividend.} \end{aligned}$$

$$\begin{array}{r} \text{c. } \quad 89 \\ 2 \overline{)179} \\ \underline{-16} \\ 19 \\ \underline{-18} \\ 1 \end{array}$$

$$\begin{aligned} \text{Quotient} &= 89 \\ \text{Remainder} &= 1 \end{aligned}$$

Check :

$$\begin{aligned} Q \times D + R &= \text{Dividend} \\ = 89 \times 2 + 1 \\ = 178 + 1 \\ = 179 = \text{Dividend.} \end{aligned}$$

Exercise 7.5

1. Divide the following :

$$\begin{array}{r} \text{a. } \quad 1057 \\ 2 \overline{)2114} \\ \underline{-2} \\ 011 \\ \underline{-10} \\ 14 \\ \underline{-14} \\ \times \end{array}$$

$$\text{Quotient} = 1057$$

$$\begin{array}{r} \text{b. } \quad 341 \\ 5 \overline{)1705} \\ \underline{-15} \\ 20 \\ \underline{-20} \\ 05 \\ \underline{-5} \\ \times \end{array}$$

$$\text{Quotient} = 341$$

$$\begin{array}{r} \text{c. } \quad 232 \\ 8 \overline{)1856} \\ \underline{-16} \\ 25 \\ \underline{-24} \\ 16 \\ \underline{-16} \\ \times \end{array}$$

$$\text{Quotient} = 232$$

2. Find out the quotient and the remainder and check your answer :

$$\begin{array}{r} 447 \\ 4 \overline{)1790} \\ \underline{-16} \\ 019 \\ \underline{-16} \\ 30 \\ \underline{-28} \\ 2 \end{array}$$

Quotient = 447

Remainder = 2

Check :

$Q \times D + R = \text{Dividend}$

$= 447 \times 4 + 2$

$= 1788 + 2$

$= 1790 = \text{Dividend.}$

$$\begin{array}{r} 539 \\ 7 \overline{)3776} \\ \underline{-35} \\ 27 \\ \underline{-21} \\ 66 \\ \underline{-63} \\ 3 \end{array}$$

Quotient = 539

Remainder = 3

Check :

$Q \times D + R = \text{Dividend}$

$= 539 \times 7 + 3$

$= 3773 + 3$

$= 3776 = \text{Dividend.}$

$$\begin{array}{r} 965 \\ 3 \overline{)2897} \\ \underline{-27} \\ 19 \\ \underline{-18} \\ 17 \\ \underline{-15} \\ 2 \end{array}$$

Quotient = 965

Remainder = 2

Check :

$Q \times D + R = \text{Dividend}$

$= 965 \times 3 + 2$

$= 2895 + 2$

$= 2897 = \text{Dividend.}$

Exercise 7.6

1. 8 pencils can be packed in a packet. How many packets are needed for packing 512 pencils?

Number of Pencils can be packed in a packet = 8

And, total number of pencils = 512

\therefore Requirement number of packets = $512 \div 8$

$= 64$

Hence, 64 packets are needed for packing 512 pencils.

$$\begin{array}{r} 64 \\ 8 \overline{)512} \\ \underline{-48} \\ 32 \\ \underline{-32} \\ 0 \end{array}$$

2. 2457 flowers are to be packed equally in 9 packets. How many flowers should be kept in one packet?

Total number of flowers = 2457

And, number of packets = 9

\therefore Number of flowers in one packet = $2457 \div 9$

$= 273$

Hence, 273 flowers should be kept in one packet.

$$\begin{array}{r} 273 \\ 9 \overline{)2457} \\ \underline{-18} \\ 65 \\ \underline{-63} \\ 27 \\ \underline{-27} \\ 0 \end{array}$$

3. 475 sticks are to be tied into equal bundles of 10 sticks each. How many sticks will be left?

Total number of sticks = 475

And, sticks tied in each bundle = 10

\therefore Required number of bundles = $475 \div 10$

$= 47$ and 5 sticks are left.

Hence, 5 sticks will be left.

$$\begin{array}{r} 47 \\ 10 \overline{)475} \\ \underline{-40} \\ 75 \\ \underline{-70} \\ 5 \end{array}$$

4. A small cinema hall has 711 seats which are equally divided into 9 rows. How many seats are there in each row?

Total number of seats in cinema hall = 711

And, the number of rows of seat = 9
 \therefore Number of seats in each row = $711 \div 9$
 = 79
 Hence, there are 79 seats in each row.

$$\begin{array}{r} 79 \\ 9 \overline{) 711} \\ \underline{-63} \\ 81 \\ \underline{-81} \\ 0 \end{array}$$

5. **648 toffees are to be equally distributed among 9 groups of children. How many toffees does each group get?**

Total number of toffees distributed = 648
 And, the number of groups of children = 9
 \therefore Each group get toffees = $648 \div 9$
 = 72

$$\begin{array}{r} 72 \\ 9 \overline{) 648} \\ \underline{-63} \\ 18 \\ \underline{-18} \\ 0 \end{array}$$

Hence, each group of children get 72 toffees.

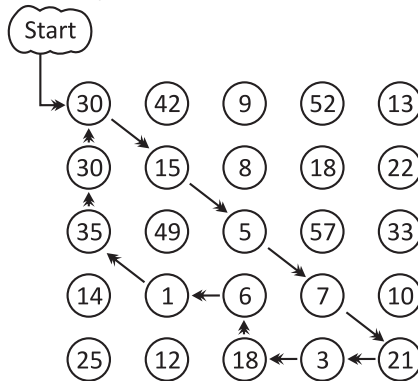
MCQs

Tick (✓) the correct option :

1. a. divisor 2. b. 8 3. a. 3 toffees
 4. a. 0 5. c. 56 chocolates

NEP : The 4Cs : Core Learning Skills

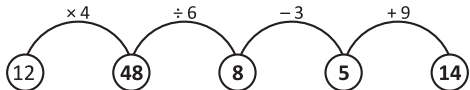
- A. Follow the instructions, find the answers on the board and colour them.



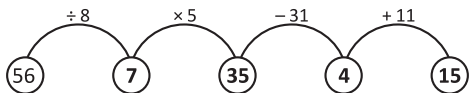
Where have you reached? 30.

- B. The animal with the highest score wins the race. Find the winner of the jumping race.

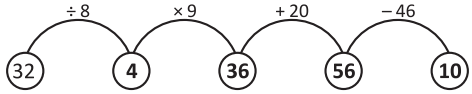
a.



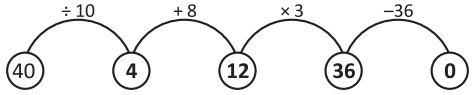
b.



c.



d.



Who has won the race?

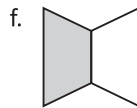
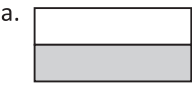
The fox win the race.

8

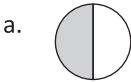
Fractions

Exercise 8.1

1. Tick (✓) the shapes that show $\frac{1}{2}$ part is shaded :



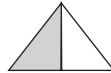
2. Colour one-half in each of the following :



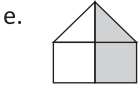
b.



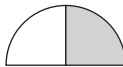
c.



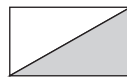
d.



f.



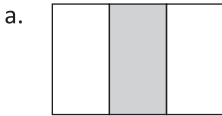
g.



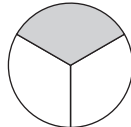
h.



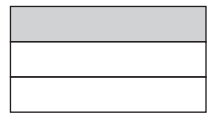
3. Colour to show one-third in the following :



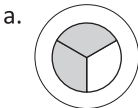
b.



c.



4. Ring the shapes where $\frac{2}{3}$ part is shaded :



b.



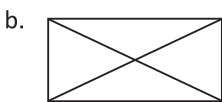
c.



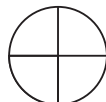
d.



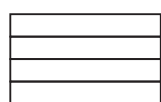
5. Tick (✓) the figures that are divided into four equal parts :



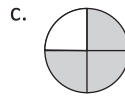
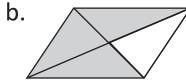
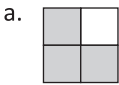
c.



d.



6. Colour to show three-fourths in the following :



Exercise 8.2

a.		$\frac{3}{4}$
b.		$\frac{1}{4}$
c.		$\frac{1}{3}$
d.		$\frac{2}{3}$
e.		$\frac{1}{2}$

Exercise 8.3

Find :

a. $\frac{1}{2}$ of 18 = $\frac{1}{2} \times 18 = 9$

b. $\frac{1}{5}$ of 15 = $\frac{1}{5} \times 15 = 3$

c. $\frac{1}{4}$ of 20 = $\frac{1}{4} \times 20 = 5$

d. $\frac{1}{3}$ of 21 = $\frac{1}{3} \times 21 = 7$

e. $\frac{1}{3}$ of 33 = $\frac{1}{3} \times 33 = 11$

f. $\frac{1}{2}$ of 34 = $\frac{1}{2} \times 34 = 17$

Exercise 8.4

1. Write in words :

a. $\frac{2}{5} =$ Two by five

b. $\frac{3}{7} =$ Three by seven

c. $\frac{5}{8} =$ Five by eight

d. $\frac{5}{9} =$ Five by nine

e. $\frac{7}{8} =$ Seven by eight

f. $\frac{1}{3} =$ One by three

2. Write the fractions for the following :

a. One by five = $\frac{1}{5}$

b. Eight by nine = $\frac{8}{9}$

c. Seven by nine = $\frac{7}{9}$

d. Four by seven = $\frac{4}{7}$

e. One by three = $\frac{1}{3}$

f. Five by six = $\frac{5}{6}$

3. Circle the fractions in which the numerator is 5 :

$\left(\frac{5}{7}\right), \frac{7}{9}, \frac{8}{9}, \left(\frac{5}{6}\right), \frac{4}{5}, \frac{4}{6}, \frac{1}{3}, \left(\frac{5}{8}\right)$

4. Circle the fractions in which denominator is 9 :

$\left(\frac{2}{9}\right), \left(\frac{5}{9}\right), \frac{1}{3}, \frac{4}{7}, \left(\frac{4}{9}\right), \left(\frac{7}{9}\right), \frac{5}{6}$

5. Write the numerator and denominator of each of the following fractions :

a. $\frac{3}{8} \Rightarrow \begin{cases} \text{numerator} & = 3 \\ \text{denominator} & = 8 \end{cases}$

c. $\frac{2}{15} \Rightarrow \begin{cases} \text{numerator} & = 2 \\ \text{denominator} & = 15 \end{cases}$

b. $\frac{6}{17} \Rightarrow \begin{cases} \text{numerator} & = 6 \\ \text{denominator} & = 17 \end{cases}$

d. $\frac{6}{19} \Rightarrow \begin{cases} \text{numerator} & = 6 \\ \text{denominator} & = 19 \end{cases}$

Exercise 8.5

1. Put '>' or '<' sign in between each pair of fractions :

a. $\frac{2}{6} < \frac{5}{6}$ b. $\frac{7}{9} > \frac{5}{9}$ c. $\frac{3}{5} < \frac{5}{5}$

d. $\frac{5}{11} > \frac{5}{13}$ e. $\frac{9}{10} > \frac{4}{10}$ f. $\frac{2}{9} < \frac{8}{9}$

2. Circle the greatest fraction in each group :

a. $\frac{1}{7}, \frac{1}{9}, \left(\frac{1}{3}\right)$ b. $\left(\frac{4}{5}\right), \frac{3}{5}, \frac{2}{5}$ c. $\frac{7}{13}, \left(\frac{10}{13}\right), \frac{9}{13}$

d. $\frac{10}{23}, \frac{10}{21}, \left(\frac{10}{17}\right)$ e. $\left(\frac{5}{7}\right), \frac{5}{9}, \frac{5}{11}$ f. $\frac{7}{27}, \frac{11}{27}, \left(\frac{19}{27}\right)$

3. Circle the smallest fraction in each group :

a. $\frac{2}{3}, \frac{2}{5}, \left(\frac{2}{7}\right)$ b. $\frac{3}{11}, \frac{3}{13}, \left(\frac{3}{14}\right)$ c. $\left(\frac{2}{7}\right), \frac{5}{7}, \frac{6}{7}$

d. $\left(\frac{5}{13}\right), \frac{9}{13}, \frac{10}{13}$ e. $\left(\frac{6}{17}\right), \frac{7}{17}, \frac{8}{17}$ f. $\frac{19}{20}, \frac{19}{21}, \left(\frac{19}{22}\right)$

MCQs

Tick (✓) the correct option :

1. a. $\frac{1}{3}$ 2. b. $\frac{4}{5}$ 3. a. $\frac{2}{4}$ 4. b. 15

NEP : Cross-Cultural Learning (CCL)

I bought :

A. $\frac{1}{2}$ kg apples for ₹ 13 B. $\frac{1}{4}$ kg grapes for ₹ 6 C. $\frac{1}{2}$ kg pears for ₹ 14

$\frac{1}{4}$ kg pears for ₹ 7 $\frac{1}{2}$ kg chickoos for ₹ 16 $\frac{1}{2}$ kg grapes for ₹ 12

1 kg mangoes for ₹ 40 $\frac{1}{2}$ kg mangoes for ₹ 20 $\frac{1}{4}$ kg chickoos for ₹ 18

I spent ₹ 60 I spent ₹ 42 I spent ₹ 34

I want to buy $\frac{1}{2}$ kg apples and $\frac{1}{4}$ kg grapes. I have ₹ 20 with me.

Do I have enough money?

Cost of $\frac{1}{2}$ kg apples = ₹ 13

Cost of $\frac{1}{4}$ kg grapes = ₹ 6

$13 + 6 = 19 < 20$

Yes I have enough money.

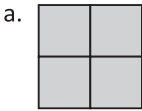
Exercise 9.1

1. Fill each box in a suitable way :

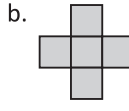
- a. What is the shape of postcard?
b. What is the shape of the coin?

Rectangular
Circular

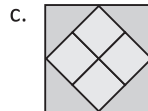
2. How many squares do you see in these figures?



5

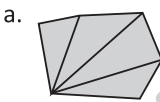


5

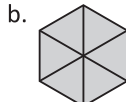


6

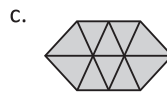
3. How many triangles do you see in these figures?



4



6



12

Exercise 9.2

Look at the following objects and write :

P — for plane surface.

C — for curved surface.

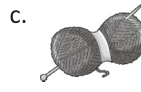
B — for both plane and curved surface.



B



P



C

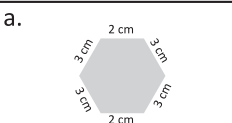
Exercise 9.3

Write 'T' for true and 'F' for false :

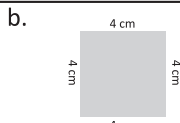
- a. The base of a cone is plane. T
 b. All the edges of a cuboid are equal. F
 c. All the edges of a cube are equal. T
 d. The opposite faces of a cuboid are same in size and shape. T
 e. A cube has six faces. T
 f. A cylinder has a vertex. F
 g. A sphere has one plane surface. F

Exercise 9.4

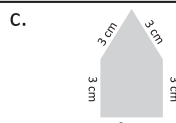
Find the perimeter of each figure :



Perimeter of hexagon
= sum of six sides



Perimeter of square
= 4 x side



Perimeter of pentagon
= sum of five sides

$= 2\text{ cm} + 3\text{ cm} + 3\text{ cm}$ $+ 2\text{ cm} + 3\text{ cm} + 3\text{ cm}$ $= 16\text{ cm.}$	$= 4 \times 4\text{ cm}$ $= 16\text{ cm.}$	$= 3\text{ cm} + 3\text{ cm} + 3\text{ cm}$ $+ 3\text{ cm} + 3\text{ cm}$ $= 15\text{ cm.}$
---	---	---

Exercise 9.5

1. Find out the perimeters of the following rectangles whose sides are given below :

a. length = 4 cm breadth = 2 cm
 Perimeter of rectangle = $2(l + b)$
 $= 2(4\text{ cm} + 2\text{ cm})$
 $= 2 \times 6\text{ cm} \Rightarrow \mathbf{12\text{ cm.}}$

b. length = 7 cm breadth = 5 cm
 Perimeter of rectangle = $2(l + b)$
 $= 2(7\text{ cm} + 5\text{ cm})$
 $= 2 \times 12\text{ cm} \Rightarrow \mathbf{24\text{ cm.}}$

2. Find out the perimeter of the squares whose sides are given below :

a. Side = 15 cm b. Side = 16 cm
 Perimeter of square = $4 \times \text{side}$ Perimeter of square = $4 \times \text{side}$
 $= 4 \times 15\text{ cm}$ $= 4 \times 16\text{ cm}$
 $= \mathbf{60\text{ cm.}}$ $= \mathbf{64\text{ cm.}}$

c. Side = 3 cm d. Side = 12.6 cm
 Perimeter of square = $4 \times \text{side}$ Perimeter of square = $4 \times \text{side}$
 $= 4 \times 3\text{ cm}$ $= 4 \times 12.6\text{ cm}$
 $= \mathbf{12\text{ cm.}}$ $= \mathbf{50.4\text{ cm.}}$

3. Find out the perimeter of the triangle ABC when :

a. AB = 3 cm, BC = 7 cm, CA = 5 cm
 Perimeter of triangle ABC = $AB + BC + CA$
 $= 3\text{ cm} + 7\text{ cm} + 5\text{ cm}$
 $= \mathbf{15\text{ cm.}}$

b. AB = 6 cm, BC = 8 cm, CA = 10 cm
 Perimeter of triangle ABC = $AB + BC + CA$
 $= 6\text{ cm} + 8\text{ cm} + 10\text{ cm}$
 $= \mathbf{24\text{ cm.}}$

4. A rectangle has a perimeter of 34 cm. If its length is 9 cm, what is its breadth?

Perimeter of a rectangle = 34 cm

And, the length of rectangle = 9 cm

Perimeter = $2(l + b)$

34 cm = $2(9\text{ cm} + b)$

$\frac{34}{2}\text{ cm} = 9\text{ cm} + b$

17 cm = $9\text{ cm} + b$

b = $17\text{ cm} - 9\text{ cm} = 8\text{ cm}$

Hence, the breadth of the rectangle is 8 cm.

5. **A square has a perimeter of 36 cm. What is the length of each side?**

$$\text{Perimeter of a square} = 36 \text{ cm}$$

$$\text{Perimeter} = 4 \times \text{side}$$

$$36 \text{ cm} = 4 \times \text{side}$$

$$\text{side} = \frac{36}{4} \text{ cm} = 9 \text{ cm}$$

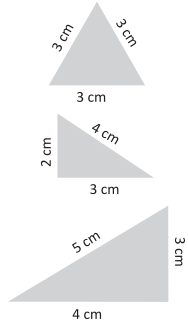
Hence, the length of each side of square is 9 cm.

6. **Find the perimeter of each triangle :**

a. Perimeter of triangle = Sum of three sides
 $= 3 \text{ cm} + 3 \text{ cm} + 3 \text{ cm}$
 $= 9 \text{ cm}.$

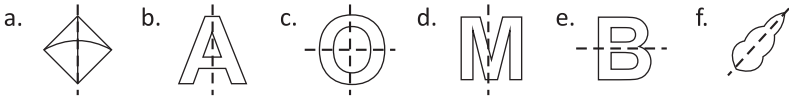
b. Perimeter of triangle = Sum of three sides
 $= 2 \text{ cm} + 3 \text{ cm} + 4 \text{ cm}$
 $= 9 \text{ cm}.$

c. Perimeter of triangle = Sum of three sides
 $= 3 \text{ cm} + 4 \text{ cm} + 5 \text{ cm}$
 $= 12 \text{ cm}.$



Exercise 9.6

Given below are some symmetrical figures. Draw a line of symmetry in each figure :



MCQs

Tick (✓) the correct option :

1. c. point

2. c. line

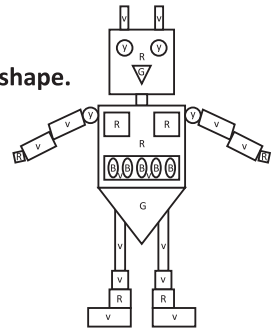
3. b. vertices

4. c. circle

5. c. 12

NEP Multiple Intelligence

Colour the shape according to the colour given for each shape.

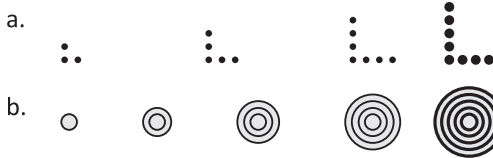


Patterns

The patterns repeat. Can you draw the next one?



These patterns keep increasing. Can you do the next one?

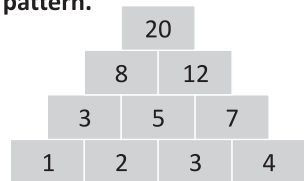


These patterns increase and then repeat. Draw the next one.

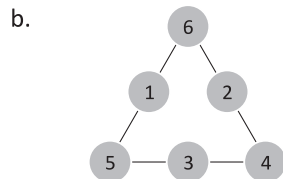
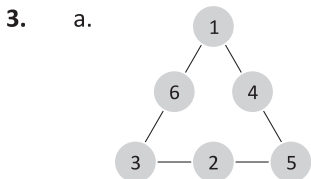
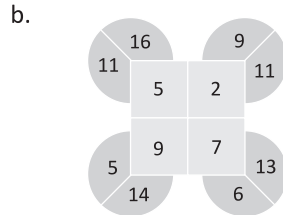
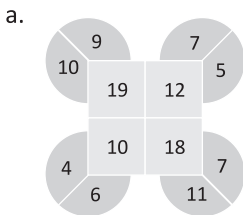


Exercise 10

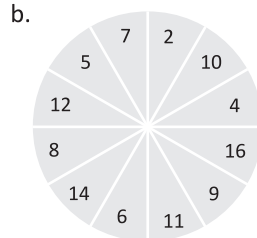
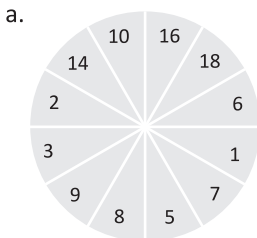
1. Observe the following numbers and find their pattern. Then fill in the missing numbers.



2. Find the pattern and fill in the boxes :

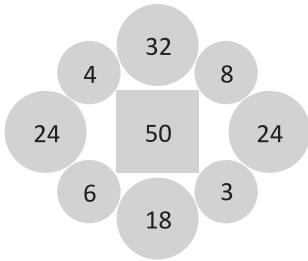


4. Find the patterns of numbers in each of the following, then fill in the missing places :

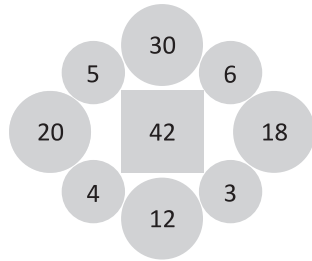


5. Find the pattern and fill in the circles and the boxes :

a.



b.



MCQs

Tick (✓) the correct option :

1. c.

2. b. AE

3. b. 15

4. a. 30

NEP : Development of Traditional Knowledge

Do it yourself.



Measurement

Exercise 11.1

1. Which of the following lengths are supposed to be true?

- | | |
|---|-------|
| a. The length of Nikhil's notebook is 10 m. | False |
| b. The height of a room is 8 cm. | False |
| c. The length of the playground is 100 m. | True |
| d. The length of Vibha's bed is 6 km. | False |

2. Which of these will be in, centimetres and which will be in metres?

- | | |
|---------------------------------------|--------|
| a. Length of your father's arm. | cm |
| b. Distance from your school to home. | metres |
| c. Length of your computer screen. | cm |
| d. Height of your brother. | cm |

Exercise 11.2

1. Convert the following into cm :

- | | | |
|---|---|---|
| a. 8 m 3 cm
= (5×100) cm + 3 cm
= 500 cm + 3 cm
= 503 cm. | b. 19 m 43 cm
= (19×100) cm + 43 cm
= 1900 cm + 43 cm
= 1943 cm. | c. 65 m 80 cm
= (65×100) cm + 80 cm
= 6500 cm + 80 cm
= 6580 cm. |
| d. 8 m 53 cm
= (8×100) cm + 53 cm
= 800 cm + 53 cm
= 853 cm. | e. 10 m 15 cm
= (10×100) cm + 15 cm
= 1000 cm + 15 cm
= 1015 cm. | f. 15 m 18 cm
= (15×100) cm + 18 cm
= 1500 cm + 18 cm
= 1518 cm. |

2. Convert the following into m :

- | | | |
|--|--|--|
| a. 5 km 100 m
= (5×1000) m + 100 m | b. 1 km 101 m
= (1×1000) m + 101 m | c. 4 km 802 m
= (4×1000) m + 802 m |
|--|--|--|

$$= 5000 \text{ m} + 100 \text{ m}$$

$$= \mathbf{5100 \text{ m.}}$$

d. $9 \text{ km } 520 \text{ m}$

$$= (9 \times 1000) \text{ m} + 520 \text{ m}$$

$$= 9000 \text{ m} + 520 \text{ m}$$

$$= \mathbf{9520 \text{ m.}}$$

$$= 1000 \text{ m} + 101 \text{ m}$$

$$= \mathbf{1101 \text{ m.}}$$

e. $8 \text{ km } 46 \text{ m}$

$$= (8 \times 1000) \text{ m} + 46 \text{ m}$$

$$= 8000 \text{ m} + 46 \text{ m}$$

$$= \mathbf{8046 \text{ m.}}$$

$$= 4000 \text{ m} + 802 \text{ m}$$

$$= \mathbf{4802 \text{ m.}}$$

f. $6 \text{ km } 353 \text{ m}$

$$= (6 \times 1000) \text{ m} + 353 \text{ m}$$

$$= 6000 \text{ m} + 353 \text{ m}$$

$$= \mathbf{6353 \text{ m.}}$$

Exercise 11.3

1. How many kilometres are there in?

a. 7000 m

$$= (7000 \div 1000) \text{ km}$$

$$= \mathbf{7 \text{ km.}}$$

b. 40000 m

$$= (40000 \div 1000) \text{ km}$$

$$= \mathbf{40 \text{ km.}}$$

c. 90000 m

$$= (90000 \div 1000) \text{ km}$$

$$= \mathbf{90 \text{ km.}}$$

2. How many metres are there in?

a. 600 cm

$$= (600 \div 100) \text{ m}$$

$$= \mathbf{6 \text{ m.}}$$

b. 400 cm

$$= (400 \div 100) \text{ m}$$

$$= \mathbf{4 \text{ m.}}$$

c. 1000 cm

$$= (1000 \div 100) \text{ m}$$

$$= \mathbf{10 \text{ m.}}$$

Exercise 11.4

1.

m	cm
26	21
+ 12	85
39	06

2.

m	cm
13	57
+ 15	52
29	09

3.

m	cm
62	15
+ 12	75
74	90

4. Length of first piece of cloth = $37 \text{ m } 95 \text{ cm}$

And, length of second piece of cloth = $26 \text{ cm } 69 \text{ cm}$

So, the total length of two pieces of clothes = $37 \text{ m } 95 \text{ cm} + 26 \text{ m } 69 \text{ cm}$

$$= \mathbf{64 \text{ m } 64 \text{ cm.}}$$

m	cm
37	95
+ 26	69
64	64

5. Ajay runs first time = $96 \text{ m } 65 \text{ cm}$

And, he runs second time = $55 \text{ m } 74 \text{ cm}$

So, the total distance run by Ajay = $96 \text{ m } 65 \text{ cm} + 55 \text{ m } 74 \text{ cm}$
 $= \mathbf{152 \text{ m } 39 \text{ cm.}}$

m	cm
96	65
+ 55	74
152	39

6. Length of first piece of cord = $25 \text{ m } 65 \text{ cm}$

And, length of second piece of cord = $59 \text{ m } 75 \text{ cm}$

So, the total length of the cords = $25 \text{ m } 65 \text{ cm} + 59 \text{ m } 75 \text{ cm}$
 $= \mathbf{85 \text{ m } 40 \text{ cm.}}$

m	cm
25	65
+ 59	75
85	40

Exercise 11.5

Find the difference :

1.

km	m
13	375
- 12	162
01	213

2.

km	m
14	462
- 12	175
02	287

3.

km	m
13	562
- 11	175
02	387

4. Length of a roll of wire = 250 cm
And, the length of cutting piece of wire = 175 m
So, the length of remaining wire in the roll
= 250 m – 175 m = 75 m.

$$\begin{array}{r} 1 \ 14 \ 10 \\ 2 \ 5 \ 0 \ \text{m} \\ - 1 \ 7 \ 5 \ \text{m} \\ \hline 0 \ 7 \ 5 \end{array}$$

5. Height of Monu = 1 m 75 cm
And, height of his brother = 1 m 47 cm
Clearly, show that Monu is taller.
Now, 1 m 75 cm – 1 m 47 cm = 28 cm
Hence, Monu is 28 cm taller than his brother.

$$\begin{array}{r} \text{m} \quad \text{cm} \\ 1 \quad 7 \ 5 \\ - 1 \quad 4 \ 7 \\ \hline 0 \quad 2 \ 8 \end{array}$$

6. Length of a roll of cloth = 36 m 86 cm
And, length of cloth selling by merchant = 15 m 86 cm
∴ Length of remaining cloth = 36 m 86 cm – 15 m 86 cm
= 21 m 1 cm
Hence, 21 m 1 cm long piece of cloth is left with the merchant.

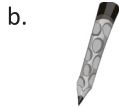
$$\begin{array}{r} \text{m} \quad \text{cm} \\ 3 \ 6 \quad 8 \ 6 \\ - 1 \ 5 \quad 8 \ 5 \\ \hline 2 \ 1 \quad 0 \ 1 \end{array}$$

Exercise 11.6

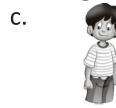
Tick (✓) the unit you use to weigh the following :



kg/g (✓)



kg/g (✓)



kg (✓) /g



kg/g (✓)



kg/g (✓)



kg/g (✓)



kg (✓) /g



kg (✓) /g

Exercise 11.7

1. Convert the following into 'g' :

a. 70 kg = 70 × 1000 g = **70,000 g**

b. 44 kg = 44 × 1000 g = **44,000 g**

c. 80 kg = 80 × 1000 g = **80,000 g**

d. 200 kg = 200 × 1000 g = **200,000 g**

2. Convert the following into 'g' :

a. 3 kg 725 g
= (3 × 1000) g + 725 g
= 3000 g + 725 g
= **3725 g.**

b. 14 kg 92 g
= (14 × 1000) g + 92 g
= 14000 g + 92 g
= **14092 g.**

c. 4 kg 312 g
= (4 × 1000) g + 312 g
= 4000 g + 312 g
= **4312 g**

d. 70 kg 76 g
= (70 × 1000) g + 76 g
= 70,000 g + 76 g
= **70,076 g**

3. Convert the following into 'kg' and 'g' :

a. 56439 g
= (56000 + 439) g

b. 7245 g
= (7000 + 245) g

$$= 56 \times 1000 \text{ g} + 439 \text{ g}$$

$$= \mathbf{56 \text{ Kg } 439 \text{ g}}$$

c. 2718 g

$$= (2000 + 718) \text{ g}$$

$$= 2 \times 1000 \text{ g} + 718 \text{ g}$$

$$= \mathbf{2 \text{ Kg } 718 \text{ g}}$$

$$= 7 \times 1000 \text{ g} + 245 \text{ g}$$

$$= \mathbf{7 \text{ Kg } 245 \text{ g}}$$

d. 5694 g

$$= (5000 + 694) \text{ g}$$

$$= 5 \times 1000 \text{ g} + 694 \text{ g}$$

$$= \mathbf{5 \text{ Kg } 694 \text{ g}}$$

Exercise 11.8

Add the following :

1.

kg	g
7	1 1 0
+ 8	6 3 0
1 5	7 4 0

2.

kg	g
7	1 2 5
+ 5	6 2 0
1 2	7 4 5

3.

kg	g
7	6 3 0
+ 8	1 3 0
1 5	7 6 0

Exercise 11.9

Subtract the following :

1.

kg	g
7	6 4 1 2
- 7	0 1 0 0
0	6 3 1 2

2.

kg	g
4	7 3 9 7
- 4	2 1 6 2
0	5 2 3 5

3.

kg	g
5	5 3 2 1
- 5	0 1 2 1
0	5 2 0 0

4. Weight of empty box = 55 g
 And, weight of sweets = 1 Kg 355 g
 So, the total weight of the box with sweets
 = 1 Kg 355 g + 55 g
 = 1 Kg 410 g.

kg	g
1	3 5 5
+ 0	5 5
1	4 1 0

5. Weight of ghee = 1 Kg 350 g
 And, weight of empty tin = 1 Kg 200 g
 So, the total weight of the tin with ghee
 = 1 kg 350 g + 1 kg 200 g
 = 2 Kg 550 g.

kg	g
1	3 5 0
+ 1	2 0 0
2	5 5 0

6. Weight of Ravi = 38 Kg 700 g
 And, weight of Kavi = 36 Kg 700 g
 Clearly show that, Kavi's weight is lesser than Ravi's weight.
 Now, $38 \text{ Kg } 700 \text{ g} - 36 \text{ Kg } 700 \text{ g} = 2 \text{ Kg}$
 Hence, the weight of Kavi is 2 Kg less than the weigh of Ravi.

kg	g
3	8 7 0 0
- 3	6 7 0 0
0	2 0 0 0

Exercise 11.10

1. Convert the following into 'ml' :

a. $5 \text{ l } 276 \text{ ml}$
 $= (5 \times 1000) \text{ ml} + 276 \text{ ml}$
 $= 5000 \text{ ml} + 276 \text{ ml}$
 $= \mathbf{5276 \text{ ml}}$

b. $6 \text{ l } 250 \text{ ml}$
 $= (6 \times 1000) \text{ ml} + 250 \text{ ml}$
 $= 6000 \text{ ml} + 250 \text{ ml}$
 $= \mathbf{6250 \text{ ml}}$

3. Convert the following into 'l' and 'ml' :

a. 7649 ml
 $= (7000 + 649) \text{ ml}$
 $= 7 \times 1000 \text{ ml} + 649 \text{ ml}$
 $= \mathbf{7 \text{ l } 649 \text{ ml}}$

b. 1245 ml
 $= (1000 + 245) \text{ ml}$
 $= 1000 \text{ ml} + 245 \text{ ml}$
 $= \mathbf{1 \text{ l } 245 \text{ ml}}$

c. 4567 ml
 $= (4000 + 567) \text{ ml}$
 $= 4 \times 1000 \text{ ml} + 567 \text{ ml}$
 $= \mathbf{4 \text{ l } 567 \text{ ml}}$

d. 9320 ml
 $= (9000 + 320) \text{ ml}$
 $= 9 \times 1000 \text{ ml} + 320 \text{ ml}$
 $= \mathbf{9 \text{ l } 320 \text{ ml}}$

Exercise 11.11

Find the difference :

1.

l	ml
1 2	1 5 0
+ 1 3	2 1 0
2 5	3 6 0

2.

l	ml
1 4	7 4 0
+ 1 2	1 3 0
2 6	8 7 0

3.

l	ml
3 7	2 0
+ 1 3	1 2 0
1 6	8 4 0

4. The capacity of first water tank = 325 / 500 ml
 And, capacity of second water tank = 475 / 830 ml
 Total capacity of two tanks = 325 / 500 ml + 475 / 830 ml
 $= 801 / 330 \text{ ml}$
 Hence the school water tanks can be hold 801 / 330 ml of water.

l	ml
3 2 5	5 0 0
+ 4 7 5	8 3 0
8 0 1	3 3 0

5. Abdul buys milk from first dairy = 2 / 500 ml
 And, he buys milk from second dairy = 2 / 500 ml + 1 / 700 ml
 \therefore Total milk purchased by Abdul = 2 / 500 ml + 1 / 700 ml
 $= 4 / 200 \text{ ml}$
 Hence, Abdul purchase 4 / 200 ml of milk altogether.

l	ml
2 5 0 0	
+ 1 7 0 0	
4 2 0 0	

Exercise 11.12

1. Find out the difference of the following after conversion :

a. 21 / 631 ml and 9 / 5 ml
 $= 21 / 631 \text{ ml} - 9 / 5 \text{ ml}$
 $= \mathbf{12 / 626 \text{ ml}}$

l	ml
21	631
- 9	5
12	626

b. 13 / 231 ml and 13 / 5 ml
 $= 13 / 231 \text{ ml} - 13 / 5 \text{ ml}$
 $= \mathbf{226 \text{ ml}}$

l	ml
13	231
- 13	5
00	226

c. 35 / 50 ml and 34 / 14 ml
 $= 35 / 50 \text{ ml} - 34 / 14 \text{ ml}$
 $= \mathbf{1 / 36 \text{ ml}}$

l	ml
35	50
- 34	14
01	36

d. $112/37 \text{ m/}$ and $17/205 \text{ m/}$
 $= 112/37 \text{ m/} - 17/205 \text{ m/}$
 $= 94/832 \text{ m/}$.

l	m/
10 11	10
1 1 2	0 3 7
- 1 7	2 0 5
9 4	8 3 2

2. Subtract :

a.

l	m/
1 5	7 3 0
- 1 3	1 2 0
0 2	6 1 0

b.

l	m/
2 3	5 3 7
- 1 2	1 2 5
1 1	4 1 2

c.

l	m/
2 5	6 2 5
- 2 1	1 0 3
0 4	5 2 2

3. Petrol was in the tank of car = $38/500 \text{ m/}$
 And, Petrol was used in a day = 730 m/
 So, the remaining Petrol in the tank of the car
 $= 38/500 \text{ m/} - 730 \text{ m/}$
 $= 37/770 \text{ m/}$.

l	m/
7	14 10
3 8	5 0 0
- 9	7 3 0
3 7	7 7 0

4. The shopkeeper had kerosene oil = 90 litres
 He sold oil to first person = $8/250 \text{ m/}$
 He sold oil to second person = $15/300 \text{ m/}$
 And, he sold oil to third person = $12/750 \text{ m/}$
 \therefore Total oil sold by the shopkeeper
 $= 8/250 \text{ m/} + 15/300 \text{ m/} + 12/750 \text{ m/}$
 $= 36/300 \text{ m/}$

l	m/
1 1	1
8	2 5 0
1 5	3 0 0
- 1 2	7 5 0
3 6	3 0 0

So, the remaining oil = $90 \text{ l} - 36/300 \text{ m/}$
 $= 35/700 \text{ m/}$
 Hence, $35/700 \text{ m/}$ of kerosene oil was left
 with the shopkeeper.

l	m/
8 9	10
8 8	8 0 0
- 3 6	3 0 0
5 3	7 0 0

5. The milkman sold milk in the morning = $80/200 \text{ m/}$
 And he sold milk in the evening = 98 litre
 Clearly show that, he sold more milk in the evening.
 \therefore More milk = $98 \text{ l} - 80/200 \text{ m/}$
 $= 17/800 \text{ m/}$

l	m/
7	10
9 8	0 0 0
- 8 0	2 0 0
1 7	8 0 0

Hence, the milkman sold $17/800 \text{ m/}$ more milk in
 the evening than morning.

MCQs

• Tick (✓) the correct option :

- | | | | |
|------------------|------------|------------|---------------|
| 1. a. km | 2. a. 3500 | 3. c. 6 | 4. b. 1000 |
| 5. c. 8 kg 500 g | 6. b. 7 l | 7. c. 1000 | 8. b. 4070 ml |
| 9. c. 2/670 m/ | | | |

NEP : Cross-Cultural Learning (CCL)

Here are the names of world's four largest rivers, in order of size.

1. Which is the longest river?

Nile

- What is the position of mississippi-Missouri in the order of length?
- What is the difference between the length of Amazon and Mississippi-Missouri?
- Which river is on 3rd position?
- What is the difference between the length of the Nile and Yangtze?

4th Position

380 Km

Yangtze

350 Km

12

Time

Exercise 12.1

1. Write the time shown on each clock face :

a.



7 : 58

b.



8 : 20

c.



1 : 40

d.



9 : 06

2. Draw the hour-hand and the minute-hand to show the given time :

a.



3:27

b.



9:16

c.



11:37

d.



7:03

Exercise 12.2

1. Fill in the boxes with am or pm :

- 5:35 in the evening \Rightarrow pm
- 11:05 in the morning \Rightarrow am
- 1:30 in the night \Rightarrow am
- 10:25 before noon \Rightarrow am
- 7:15 in the evening \Rightarrow pm

2. Write these time using noon or midnight :

- 3:30 am = 3 : 30 after midnight
- 7:05 pm = 7 : 05 after noon
- 3:40 pm = 3 : 40 after noon

3. What time will it be after 5 hours?

- 4:35 am +5 hours 9:35 am.
- 11:00 am +5 hours 4:00 am.
- 6:50 am +5 hours 11:50 am.

Exercise 12.3

1. **Change into seconds :**

a. 8 minutes 30 seconds

$$= (8 \times 60) \text{ seconds} + 30 \text{ seconds}$$

$$= (480 + 30) \text{ seconds}$$

$$= \mathbf{510 \text{ seconds.}}$$

b. 37 minutes 27 seconds

$$= (37 \times 60) \text{ seconds} + 27 \text{ seconds}$$

$$= (2220 + 27) \text{ seconds}$$

$$= \mathbf{2247 \text{ seconds.}}$$

2. **Change into minutes:**

a. 2 hours

$$= 2 \times 60 \text{ minutes}$$

$$= \mathbf{120 \text{ minutes.}}$$

b. 7 hours 27 minutes

$$= (7 \times 60) \text{ minutes} + 27 \text{ minutes}$$

$$= (420 + 27) \text{ minutes}$$

$$= \mathbf{447 \text{ minutes.}}$$

Activity

- Do it yourself.

Exercise 12.4

1. Ankit leaves = on 15th January

And, the last day of her leave = 16th February

Now, Days in January = $31 - 14 = 17$ days

And, days in February = 16 days

So, the total number of days of leave = $(17 + 16)$ days = 33 days

Hence, Ankita leave for 33 days.

2. Sarita's leave begins = on 18th February

And, number of days of leave = 27 days

Days in February = $28 - 17 = 11$ days

And days in March = $27 - 11 = 16$ days

Hence, the last day of her leave is 16th March.

3. Radha was on leave = from 8th January to 9th March.

Days in January = $31 - 7 = 24$ days

Days in February = 28 days

And, days in March = 9 days

Hence, the number of days in she was leave = $(24 + 28 + 9)$ days = 61 days.

4. Days left in February = $28 - 5 = 23$ days

Days in March = 31 days

Days in April = 30 days

Days in May = 31 days

Days in June = 30 days

And, days in July = 17 days

So, the total number of days from 6th February from 17th July

$$= (23 + 31 + 30 + 31 + 30 + 17) \text{ days}$$

$$= 162 \text{ days.}$$

5. Mary come to Delhi = in 2nd May (morning)

And, she left the Dehi = in 2nd June (night)

Days left in May = $31 - 1 = 30$ days

Days in June = 2 days

So, total number of days = $(30 + 2)$ days

= 32 days

Hence, Mary stayed 32 days in Delhi.

6. Nirmal joined the office = on 8th March
And he worked in office = 40 days
Number of days in march = $31 - 7 = 24$ days
And, number of days in April = $40 - 24 = 16$ days
Hence, Nirmal left the office on 16th April.

MCQs

Tick (✓) the correct option :

1. a. postmeridiem (p.m.) 2. a. 3 : 15 a.m.
3. b. 7 : 30 p.m. 4. b. June

NEP : Development of Traditional Knowledge

Look at the finishing times for the monkey and answer the questions given below the picture.

1. Balu won the competition.
2. Bokoo came last in the competition.
3. Bintu monkey takes 35 minutes to finish the bananas.
4. Bholu takes 45 minutes.
5. Biju takes exactly 30 minutes.
6. No one takes more than 1 hour.



Monkey

Exercise 13.1

1. Express the following amounts in short form :
a. 75 paise ₹ 0.75 b. 327 rupees 25 paise ₹ 327.25
c. 4 rupees 75 paise ₹ 4.75 d. 327 rupees 5 paise ₹ 327.05
2. Express the following amounts in words :
a. ₹ 0.08 Eight paise
b. ₹ 0.75 Seventy-five paise
c. ₹ 3.17 Three rupees and seventeen paise
d. ₹ 22.40 Twenty-two rupees and fourty paise
3. Given below are some amount in words. Express them in long form :
a. Rupees sixty-five and paise thirty. 65 rupees 30 paise
b. Rupees eighty and paise twenty-five. 80 rupees 25 paise
c. Rupees one hundred five and paise seventy-five. 105 rupees 75 paise
d. Rupees two and paise twenty-five. 2 rupees 25 paise
e. Rupees seventy-seven and paise seventy-five. 77 rupees 75 paise

Exercise 13.2

- Convert the following Rs (₹) into p :
a. ₹ 123 = 123×100 P = 12300 Paise
b. ₹ 63.19 = 63.19×100 P = 6319 Paise

- c. ₹ 164.06 = 164.06×100 P = 16406 Paise
 d. ₹ 15.40 = 15.40×100 P = 1540 Paise
 e. ₹ 125.06 = 125.06×100 P = 12506 Paise
 f. ₹ 0.95 = 0.95×100 P = 95 Paise
 g. ₹ 55.30 = 55.30×100 P = 5530 Paise
 h. ₹ 210.35 = 210.35×100 P = 21035 Paise

Exercise 13.3

- Convert the following p into ₹ :

- a. 701 p = ₹ $(701 \div 100)$ = ₹ 7.01 b. 175 p = ₹ $(175 \div 100)$ = ₹ 1.75
 c. 606 p = ₹ $(606 \div 100)$ = ₹ 6.06 d. 6240 p = ₹ $(6240 \div 100)$ = ₹ 62.40
 e. 7 p = ₹ $(7 \div 100)$ = ₹ 0.07 f. 2 p = ₹ $(2 \div 100)$ = ₹ 0.02
 g. 15 p = ₹ $(15 \div 100)$ = ₹ 0.15 h. 8 p = ₹ $(8 \div 100)$ = ₹ 0.08

Exercise 13.4

1. Add after conversion:

- a. ₹ 45.27 and ₹ 36.25

₹	p
4 5 . 2 7	
+ 3 6 . 2 5	
8 1 . 5 2	

- b. ₹ 34.97 and ₹ 28.79

₹	p
3 4 . 9 7	
+ 2 8 . 7 9	
6 3 . 7 6	

- c. ₹ 32.75 and ₹ 96.48

₹	p
3 2 . 7 5	
+ 9 6 . 4 8	
1 2 9 . 2 3	

- d. ₹ 4.97 and ₹ 83.36

₹	p
4 . 9 7	
+ 8 3 . 3 6	
8 8 . 3 3	

2. Add separately :

- a. ₹ 11.12 and ₹ 22.34

₹ 1 1 . 1 2
+ ₹ 2 2 . 3 4
₹ 3 3 . 4 6

- b. ₹ 29.35 and ₹ 34.50

₹ 2 9 . 3 5
+ ₹ 3 4 . 5 0
₹ 6 3 . 8 5

- c. ₹ 15.79 and ₹ 46.06

₹ 1 5 . 7 9
+ ₹ 4 6 . 0 6
₹ 6 1 . 8 5

- d. ₹ 4.57 and ₹ 63.36

₹ 0 4 . 5 7
+ ₹ 6 3 . 3 6
₹ 6 7 . 9 3

3. Add :

a.

		1	1	1		
₹	1	3	4	.	5 6	
+	₹	1	2	7	.	4 9
	₹	2	6	2	.	0 5

b.

		1				
₹	7	2	1	.	6 5	
+	₹	4	3	4	.	7 3
	₹	1	1	5	.	3 8

c.

		1	1			
₹	1	5	9	.	0 5	
+	₹	1	2	4	.	3 6
	₹	2	8	3	.	4 1

4. The shopkeeper got a profit on first day = ₹ 120
 He got profit on second day = ₹ 130
 And, he got a profit on third day = ₹ 380
 Hence, the total profit got by the shopkeeper
 in three days = ₹ 120 + ₹ 130 + ₹ 380
 = ₹ 630.

₹	1	2	0	
₹	1	3	0	
+	₹	3	8	0
₹	6	3	0	

5. Fee paid on just installment = ₹ 175.70
 And, fee paid in second installment = ₹ 154.80
 So, the total amount paid by the student in one year
 = ₹ 175.70 + ₹ 154.80
 = ₹ 330.50

₹	1	7	5	.	7	0	
+	₹	1	5	4	.	8	0
₹	3	3	0	.	5	0	

Exercise 13.5

1. Convert and find the difference :

- a. ₹ 78.20 and ₹ 19.45

₹		P
7	8	. 2 0
—	1	9 . 4 5
5	8	. 7 5

- b. ₹ 94.72 and ₹ 67.85

₹		P
9	4	. 7 2
—	6	7 . 8 5
2	6	. 8 7

- c. ₹ 72.60 and ₹ 2.57

₹		P
7	2	. 6 0
—	2	. 5 7
7	0	. 0 3

- d. ₹ 47.84 and ₹ 18.97

₹		P
4	7	. 8 4
—	1	8 . 9 7
2	8	. 8 7

2. Find the difference separately :

- a. ₹ 63.78 and ₹ 25.80

₹	6	3	.	7	8	
—	₹	2	5	.	8	0
₹	3	7	.	9	8	

- b. ₹ 34.97 and ₹ 28.79

₹	3	4	.	9	7	
—	₹	2	8	.	7	9
₹	0	6	.	1	8	

- c. ₹ 15.03 and ₹ 21.05

₹	2	1	.	0	5	
—	₹	1	5	.	0	3
₹	0	6	.	0	2	

- d. ₹ 41.51 and ₹ 63.36

₹	6	3	.	3	6	
—	₹	4	1	.	5	1
₹	2	1	.	8	5	

3. Subtract :

a.
$$\begin{array}{r} ₹ 50.00 \\ - ₹ 26.45 \\ \hline ₹ 23.55 \end{array}$$

b.
$$\begin{array}{r} ₹ 59.05 \\ - ₹ 24.36 \\ \hline ₹ 34.69 \end{array}$$

c.
$$\begin{array}{r} ₹ 24.30 \\ - ₹ 22.10 \\ \hline ₹ 02.20 \end{array}$$

4. Multiply the following :

a.
$$\begin{array}{r} ₹ \quad p \\ 12 \quad 75 \\ \times 3 \\ \hline 38.25 \end{array}$$

b.
$$\begin{array}{r} ₹ \quad p \\ 14 \quad 52 \\ \times 2 \\ \hline 29.04 \end{array}$$

c.
$$\begin{array}{r} ₹ \quad p \\ 14 \quad 80 \\ \times 8 \\ \hline 118.40 \end{array}$$

d.
$$\begin{array}{r} ₹ \quad p \\ 12 \quad 73 \\ \times 6 \\ \hline 76.38 \end{array}$$

5. Cost of a notebook = ₹15.80

And, cost of a textbook = ₹34.00

∴ Total cost of a notebook and a text book

= ₹15.80 + ₹34.00 = ₹49.80

Anu gave a note to the shop keeper = ₹100 note

∴ Remaining money = ₹100 - ₹49.80

= ₹50.20

Hence, the shopkeeper returned ₹50.20 to Anu.

$$\begin{array}{r} ₹ 15.80 \\ - ₹ 34.00 \\ \hline ₹ 49.80 \end{array}$$

$$\begin{array}{r} ₹ 100.00 \\ - ₹ 49.80 \\ \hline ₹ 50.20 \end{array}$$

6. Monthly income of a family = ₹9438

And, the expenditure of the family in May = ₹8436.45

∴ Saving of family = ₹9438 - ₹8436.45

= ₹1001.55

Hence, the savings of the family in the month of may is ₹1001.55

$$\begin{array}{r} ₹ 9438.00 \\ + ₹ 08436.45 \\ \hline ₹ 1001.55 \end{array}$$

Exercise 13.6

1. Divide the following :

a. ₹14.75 ÷ 5

$$\begin{array}{r} 5 \overline{) 14.75} \quad (2.95 \\ \underline{-10} \\ 47 \\ \underline{-45} \\ 25 \\ \underline{-25} \\ \hline \times \end{array}$$

b. ₹76.82 ÷ 2

$$\begin{array}{r} 2 \overline{) 76.82} \quad (38.41 \\ \underline{-6} \\ 16 \\ \underline{-16} \\ 08 \\ \underline{-8} \\ \hline 02 \\ \underline{-2} \\ \hline \times \end{array}$$

c. ₹13.65 ÷ 5

$$\begin{array}{r} 5 \overline{) 13.65} \quad (2.73 \\ \underline{-10} \\ 36 \\ \underline{-35} \\ 15 \\ \underline{-15} \\ \hline \times \end{array}$$

So, ₹14.75 ÷ 5 = ₹2.95

So, ₹76.82 ÷ 2 = ₹38.41

So, ₹13.65 ÷ 5 = ₹2.73

d. ₹96.88 ÷ 4

$$\begin{array}{r}
 4 \overline{) 96.88} \quad (24.22 \\
 \underline{-8} \\
 16 \\
 \underline{-16} \\
 8 \\
 \underline{-8} \\
 8 \\
 \underline{-8} \\
 \times
 \end{array}$$

So, ₹96.88 ÷ 4 = ₹24.22

g. ₹196.72 ÷ 4

$$\begin{array}{r}
 4 \overline{) 196.72} \quad (49.18 \\
 \underline{-16} \\
 36 \\
 \underline{-36} \\
 07 \\
 \underline{-04} \\
 32 \\
 \underline{-32} \\
 \times
 \end{array}$$

So, ₹196.72 ÷ 4 = ₹49.18

j. ₹281.92 ÷ 8

$$\begin{array}{r}
 8 \overline{) 281.92} \quad (35.24 \\
 \underline{-24} \\
 41 \\
 \underline{-40} \\
 19 \\
 \underline{-16} \\
 32 \\
 \underline{-32} \\
 \times
 \end{array}$$

So, ₹281.92 ÷ 8 = ₹35.24

e. ₹48.50 ÷ 5

$$\begin{array}{r}
 5 \overline{) 48.50} \quad (9.70 \\
 \underline{-45} \\
 35 \\
 \underline{-35} \\
 \times
 \end{array}$$

So, ₹48.50 ÷ 5 = ₹9.70

h. ₹47.90 ÷ 5

$$\begin{array}{r}
 5 \overline{) 47.90} \quad (9.58 \\
 \underline{-45} \\
 29 \\
 \underline{-25} \\
 40 \\
 \underline{-40} \\
 \times
 \end{array}$$

So, ₹47.90 ÷ 5 = ₹9.58

k. ₹225.75 ÷ 5

$$\begin{array}{r}
 5 \overline{) 225.75} \quad (45.15 \\
 \underline{-20} \\
 25 \\
 \underline{-25} \\
 07 \\
 \underline{-5} \\
 25 \\
 \underline{-25} \\
 \times
 \end{array}$$

So, ₹225.75 ÷ 5 = ₹45.15

f. ₹82.80 ÷ 9

$$\begin{array}{r}
 9 \overline{) 82.80} \quad (9.20 \\
 \underline{-81} \\
 18 \\
 \underline{-18} \\
 \times
 \end{array}$$

So, ₹82.80 ÷ 9 = ₹9.20

i. ₹55.00 ÷ 10

$$\begin{array}{r}
 10 \overline{) 55.00} \quad (5.50 \\
 \underline{-50} \\
 50 \\
 \underline{-50} \\
 \times
 \end{array}$$

So, ₹55.00 ÷ 10 = ₹5.50

l. ₹75.30 ÷ 5

$$\begin{array}{r}
 5 \overline{) 75.30} \quad (15.06 \\
 \underline{-5} \\
 25 \\
 \underline{-25} \\
 030 \\
 \underline{-30} \\
 \times
 \end{array}$$

So, ₹75.30 ÷ 5 = ₹15.06

2. Story sums :

- a. A pen costs ₹ 6.20. What is the cost of 9 such pens?

Cost of a pen = ₹ 6.20

$$\begin{aligned}\text{So, the cost of 9 such pens} &= ₹ 6.20 \times 9 \\ &= ₹ 55.80\end{aligned}$$

$$\begin{array}{r} ₹ 6.20 \\ \times 9 \\ \hline ₹ 55.80 \end{array}$$

- b. A chair costs ₹ 365. What is the cost of 8 such chairs?

Cost of a chair = ₹ 365

$$\begin{aligned}\text{So, the cost of 8 such chairs} &= ₹ 365 \times 8 \\ &= ₹ 2920\end{aligned}$$

$$\begin{array}{r} ₹ 365 \\ \times 8 \\ \hline ₹ 2920 \end{array}$$

- c. A cold drink costs ₹ 6.70. What is the cost of 5 such cold drinks?

Cost of a cold drink = ₹ 6.70

$$\begin{aligned}\text{So, the cost of 5 such cold drinks} &= ₹ 6.70 \times 5 \\ &= ₹ 33.50\end{aligned}$$

$$\begin{array}{r} ₹ 6.70 \\ \times 5 \\ \hline ₹ 33.50 \end{array}$$

- d. The cost of one almirah is ₹ 672. What is the cost of 8 such almirahs?

Cost of a 1 almirah = ₹ 672

$$\begin{aligned}\text{So, the cost of 8 such almirahs} &= ₹ 672 \times 8 \\ &= ₹ 5376.\end{aligned}$$

$$\begin{array}{r} ₹ 672 \\ \times 8 \\ \hline ₹ 5376 \end{array}$$

- e. The cost of a set of 6 glasses is ₹ 87.60. What is the cost of one glass?

Cost of a set of 6 glasses = ₹ 87.60

$$\begin{aligned}\text{So, the cost of 1 glass} &= ₹ 87.60 \div 6 \\ &= ₹ 14.60\end{aligned}$$

$$\begin{array}{r} 6 \overline{) 87.60} \quad (14.60 \\ \underline{-6} \\ 27 \\ \underline{-24} \\ 36 \\ \underline{-36} \\ 0 \\ \times \end{array}$$

- f. Five children shared ₹ 765.50 equally. How much money did each child get?

Money shared by five children = ₹ 765.50

$$\begin{aligned}\text{So, each child will get} &= ₹ 765.50 \div 5 \\ &= ₹ 153.10\end{aligned}$$

$$\begin{array}{r} 5 \overline{) 765.50} \quad (153.10 \\ \underline{-5} \\ 26 \\ \underline{-25} \\ 15 \\ \underline{-15} \\ 05 \\ \times \end{array}$$

MCQs

- Tick (✓) the correct option :

1. c. 20 2. a. ₹ 40 3. a. 20 4. b. ₹ 42.75
5. b. ₹ 47.25 6. c. ₹ 37.50

NEP : Computational and Analytical Thinking

Use the price list work out the cost of these visits to the fete.

1. ₹ $75 \times 2 = ₹ 150$ 2. ₹ $50 \times 3 = ₹ 150$ 3. ₹ $(75 + 60) = ₹ 135$
4. ₹ $(50 + 225 + 60) = ₹ 335$ 5. ₹ $(100 + 30 + 75) = ₹ 205$

Make a cash memo for (4) part.

Cash Memo North Pole School Fete				
S. No.	Description of visitor	Rate of the entrance ticket	Number of tickets	Total cost
1.	Senior Citizen	₹ 50	1	₹ 50
2.	Adult	₹ 75	3	₹ 225
3.	Student	₹ 30	2	₹ 60
Total amount paid = ₹				335



Pictorial Representation of Data

Exercise 14.1

1. The following pictograph represents the number of cars sold in particular month in five cities :

The total number of cars sold in that month = $(8 + 6 + 7 + 4 + 5) \times 100$
 $= 30 \times 100$
 $= 3000$ cars.

2. The pictograph shown the number of books issued in a school library in 6 days of a week.

- a. 100 books were issued on Friday.
b. 40 books were issued on Wednesday.
c. The total number of books issued in the week = $29 \times 10 = 290$ books.
d. The same number of books were issued on Monday and Wednesday or Tuesday and Saturday.

3. In a fruit market the following fruits were sold on a day. Each fruit stands for 100 fruits :

- a. 200 Apples, 300 Mangoes, 100 Oranges, 400 Guavas and 500 Cherries

- were sold.
- Orange was least sold.
 - Cherry was sold maximum.
 - The total number of fruits sold = $200 + 300 + 100 + 400 + 500 = 1500$ fruits.
4. **The following pictograph shows the number of tractors in six villages A, B, C, D, E and F :**
- Village A, B, C, D, E and F has 50, 40, 90, 90, 20 and 80 tractors respectively.
 - Villages C and D had the maximum number of tractors.
 - Village E had the least number of tractors.
 - The total number of tractors in six villages = $50 + 40 + 90 + 90 + 20 + 80 = 370$ tractors.
5. **The following pictograph represent the number of animals in a forest. If one picture stands for 10 animals then answer the questions given below :**
- Tigers and Zebras are least in number which is 20.
 - Foxes are maximum in number which is 60.
 - There are 30 elephants in the forest.
 - There are 30 deers in the forest.
 - There are 20 tigers in the forest.
6. **Use this pictograph to answer the questions that follow.**
- 21 children come by bus.
 - $12 - 9 = 3$ more children come by bicycle than auto.
 - Least number of children come by on foot.
 - Most number of children come by bus.

Exercise 14.2

1. **The number of eatables in a canteen is shown as a tally mark chart below. Make a frequency table for the data.**

Eatables	Tally Marks	Frequency
Samosas		16
Chips packets		
Biscuits		
Popcorn		

2. **A shopkeeper makes a chart of the bottle of cold drinks he sells. Whenever he sells any particular drink he puts a vertical bar against the name of the cold drink. Record made by shopkeeper is given below :**

Cold Drinks	Tally Marks	Frequency
Limca		15
Coke		12
Pepsi		13
Mirinda		17
Maaza		18
Thums up		14
7 up		11





MCQs

- Tick (✓) the correct option :

1. c. pictures
2. c. circles
3. b. numerical data

NEP : Multiple Intelligence

Colour the cars with the help of the above clues.

Parking Lot	
	
	
	

How many cars are there of each colour? Write them in the box.

Red **6** Green **3** Blue **4** Yellow **2**