



NCERT Practice

Work BOOK

Mathematics
**Joyful
Mathematics**

TEACHER'S MANUAL

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Designed
by Expert
Mathematicians

Class

2



A Day at the Beach

Worksheet 1.1

1. Write in tens and ones:

- a. $77 = \boxed{7}$ tens and $\boxed{7}$ ones b. $36 = \boxed{3}$ tens and $\boxed{6}$ ones
c. $52 = \boxed{5}$ tens and $\boxed{2}$ ones d. $45 = \boxed{4}$ tens and $\boxed{5}$ ones
e. $82 = \boxed{8}$ tens and $\boxed{2}$ ones f. $96 = \boxed{9}$ tens and $\boxed{6}$ ones

2. Write the numerals:

- a. 5 tens and 3 ones = $\boxed{53}$ b. 7 tens and 4 ones = $\boxed{74}$
c. 6 tens and 1 one = $\boxed{61}$ d. 5 tens and 9 ones = $\boxed{59}$
e. 4 tens and 6 ones = $\boxed{46}$ f. 9 tens and 3 ones = $\boxed{93}$

3. Represent the following numerals on the abacus:

a. 53



b. 58



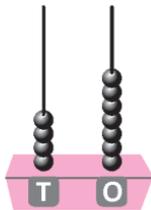
c. 96



d. 69



e. 47



f. 68



Worksheet 1.2

1. Write the number names of the following:

- | | | | |
|-------|--------------|-------|--------------|
| a. 63 | Sixty-three | b. 96 | Ninety-six |
| c. 80 | Eighty | d. 76 | Seventy-six |
| e. 56 | Fifty-six | f. 72 | Seventy-two |
| g. 59 | Fifty-nine | h. 57 | Fifty-seven |
| i. 75 | Seventy-five | j. 98 | Ninety-eight |

Worksheet 1.3

Complete the following:



$$\underline{\quad} \text{ tens} \quad \underline{\quad} \text{ ones} = \boxed{50} + \boxed{4} \quad \text{or} \quad \begin{array}{|c|c|} \hline \text{T} & \text{O} \\ \hline 5 & 4 \\ \hline \end{array}$$



$$\underline{\quad} \text{ tens} \quad \underline{\quad} \text{ ones} = \boxed{30} + \boxed{3} \quad \text{or} \quad \begin{array}{|c|c|} \hline \text{T} & \text{O} \\ \hline 3 & 3 \\ \hline \end{array}$$



$$\underline{\quad} \text{ tens} \quad \underline{\quad} \text{ ones} = \boxed{60} + \boxed{8} \quad \text{or} \quad \begin{array}{|c|c|} \hline \text{T} & \text{O} \\ \hline 6 & 8 \\ \hline \end{array}$$

Draw tens (■) and ones (●) cards and fill in the blanks:



$$\underline{\quad} \text{ tens} \quad \underline{\quad} \text{ ones} = \boxed{70} + \boxed{4} \quad \text{or} \quad \begin{array}{|c|c|} \hline \text{T} & \text{O} \\ \hline 7 & 4 \\ \hline \end{array}$$



$$\underline{\quad} \text{ tens} \quad \underline{\quad} \text{ ones} = \boxed{60} + \boxed{8} \quad \text{or} \quad \begin{array}{|c|c|} \hline \text{T} & \text{O} \\ \hline 6 & 8 \\ \hline \end{array}$$



$$\underline{\quad} \text{ tens} \quad \underline{\quad} \text{ ones} = \boxed{40} + \boxed{6} \quad \text{or} \quad \begin{array}{|c|c|} \hline \text{T} & \text{O} \\ \hline 4 & 6 \\ \hline \end{array}$$

Worksheet 1.4

1. Write the number which comes just before the given numbers:

- a. $\boxed{23}$ — $\boxed{24}$ b. $\boxed{33}$ — $\boxed{34}$ c. $\boxed{63}$ — $\boxed{64}$
 d. $\boxed{68}$ — $\boxed{69}$ e. $\boxed{53}$ — $\boxed{54}$ f. $\boxed{82}$ — $\boxed{83}$
 g. $\boxed{48}$ — $\boxed{49}$ h. $\boxed{77}$ — $\boxed{78}$ i. $\boxed{92}$ — $\boxed{93}$

2. Write the number which comes just after the given numbers:

- a. $\boxed{68}$ — $\boxed{69}$ b. $\boxed{49}$ — $\boxed{50}$ c. $\boxed{57}$ — $\boxed{58}$
 d. $\boxed{71}$ — $\boxed{72}$ e. $\boxed{24}$ — $\boxed{25}$ f. $\boxed{37}$ — $\boxed{38}$
 g. $\boxed{39}$ — $\boxed{40}$ h. $\boxed{50}$ — $\boxed{51}$ i. $\boxed{19}$ — $\boxed{20}$

3. Write the number which comes between the given numbers:

- | | | |
|--|--|--|
| a. <input type="text" value="30"/> <input type="text" value="31"/> <input type="text" value="32"/> | b. <input type="text" value="19"/> <input type="text" value="20"/> <input type="text" value="21"/> | c. <input type="text" value="96"/> <input type="text" value="97"/> <input type="text" value="98"/> |
| d. <input type="text" value="60"/> <input type="text" value="61"/> <input type="text" value="62"/> | e. <input type="text" value="29"/> <input type="text" value="30"/> <input type="text" value="31"/> | f. <input type="text" value="93"/> <input type="text" value="94"/> <input type="text" value="95"/> |
| g. <input type="text" value="48"/> <input type="text" value="49"/> <input type="text" value="50"/> | h. <input type="text" value="54"/> <input type="text" value="55"/> <input type="text" value="56"/> | i. <input type="text" value="33"/> <input type="text" value="34"/> <input type="text" value="35"/> |
| j. <input type="text" value="61"/> <input type="text" value="62"/> <input type="text" value="63"/> | k. <input type="text" value="63"/> <input type="text" value="64"/> <input type="text" value="65"/> | l. <input type="text" value="40"/> <input type="text" value="41"/> <input type="text" value="42"/> |

Worksheet 1.5

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

- | | | |
|--|--|--|
| a. <input type="text" value="56"/> <input type="text" value="<"/> <input type="text" value="78"/> | b. <input type="text" value="69"/> <input type="text" value="<"/> <input type="text" value="96"/> | c. <input type="text" value="59"/> <input type="text" value=">"/> <input type="text" value="47"/> |
| d. <input type="text" value="49"/> <input type="text" value=">"/> <input type="text" value="36"/> | e. <input type="text" value="39"/> <input type="text" value=">"/> <input type="text" value="28"/> | f. <input type="text" value="63"/> <input type="text" value="="/> <input type="text" value="63"/> |
| g. <input type="text" value="93"/> <input type="text" value=">"/> <input type="text" value="79"/> | h. <input type="text" value="19"/> <input type="text" value="="/> <input type="text" value="19"/> | i. <input type="text" value="93"/> <input type="text" value=">"/> <input type="text" value="84"/> |

2. Encircle (○) the biggest number:

- | | | |
|--|--|--|
| a. <input type="text" value="25"/> 19 16 | b. 59 36 <input type="text" value="63"/> | c. 85 90 <input type="text" value="94"/> |
| d. <input type="text" value="24"/> 18 22 | e. 34 <input type="text" value="96"/> 78 | f. 78 <input type="text" value="84"/> 63 |

3. Encircle (○) the smallest number:

- | | | |
|--|--|--|
| a. 58 68 <input type="text" value="29"/> | b. 72 89 <input type="text" value="39"/> | c. <input type="text" value="37"/> 49 69 |
| d. <input type="text" value="19"/> 29 38 | e. <input type="text" value="59"/> 68 75 | f. 65 <input type="text" value="59"/> 62 |

Worksheet 1.6

1. Arrange the following numbers in ascending order:

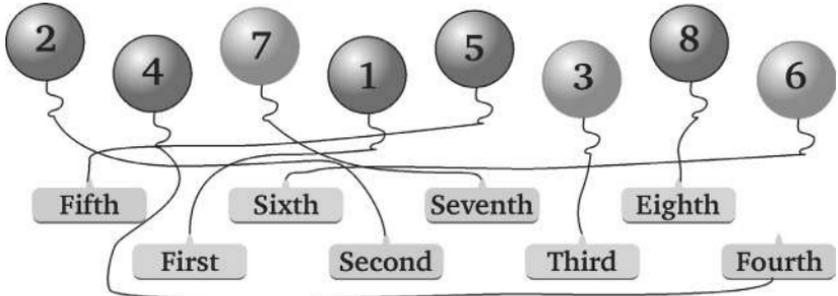
- | | |
|-------------------|----------------|
| a. 53, 74, 69, 63 | 53, 63, 69, 74 |
| b. 49, 78, 59, 69 | 49, 59, 69, 78 |
| c. 85, 24, 78, 99 | 24, 78, 85, 99 |
| d. 21, 92, 27, 88 | 21, 27, 88, 92 |
| e. 99, 87, 64, 76 | 64, 76, 87, 99 |

2. Arrange the following numbers in descending order:

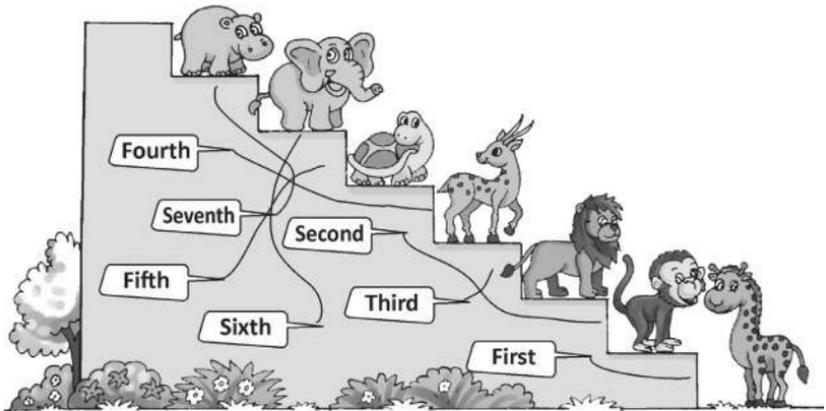
- | | |
|-------------------|----------------|
| a. 18, 37, 63, 58 | 63, 58, 37, 18 |
| b. 59, 69, 84, 28 | 84, 69, 59, 28 |
| c. 49, 69, 68, 35 | 69, 68, 49, 35 |
| d. 67, 43, 94, 53 | 94, 67, 53, 43 |

Worksheet 1.7

1. Match the position of balloons with their ordinal numbers:



2. Match the position of animals:



3. Fill in the blanks:

- Tuesday is the **second** day of the week.
- Wednesday is the **third** day of the week.
- Sunday is the **seventh** day of the week.
- Friday is the **fifth** day of the week.
- February is the **second** month of the year.
- November is the **eleventh** month of the year.
- September is the **ninth** month of the year.
- August is the **eighth** month of the year.



Shapes Around Us

Write the shape of following things.



Sphere



Rectangle



Cylinder



Cone

Worksheet 2.1

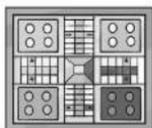
1. Identify the shapes of the following things:

a.



Cylinder

b.



Square

c.



Cone

d.



Rectangle

e.



Rectangle

f.



Sphere

g.



Square

h.



Cuboid

2. Write the number of sides and vertices and the following figures:

a.



Sides 4
Vertices 4

b.



Sides 3
Vertices 3

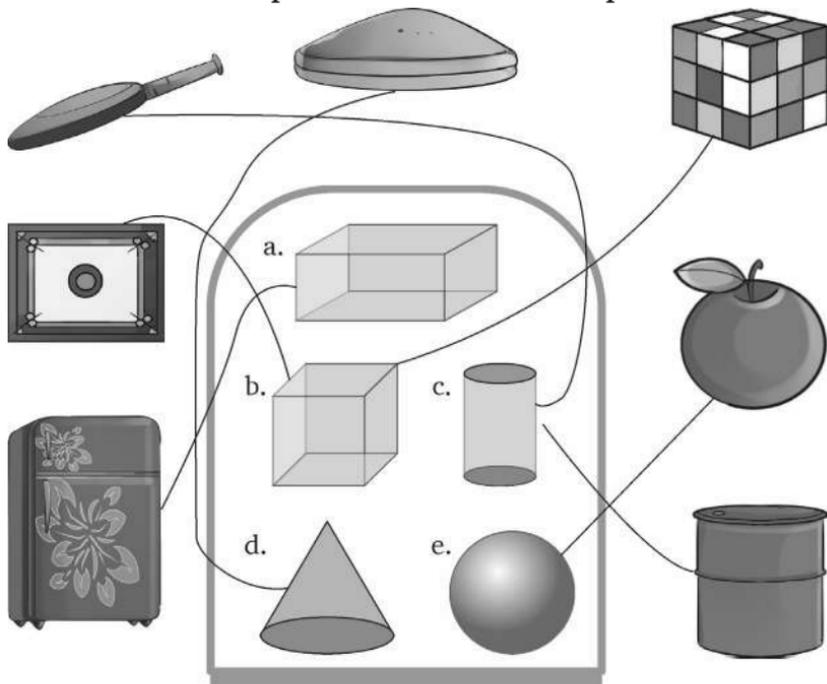
c.



Sides 4
Vertices 4

Worksheet 2.2

1. Match the solid shapes with the correct shapes:



2. Give two example from your surroundings of each of the following:

- | | | |
|-------------|--------------|----------------|
| a. Cylinder | Gas cylinder | Bottle |
| b. Cone | Cap | Ice-cream cone |
| c. Sphere | Ball | Globe |
| d. Cuboid | Refrigerator | Almirah |

Mental Maths

- Scale is used to draw **straight** lines.
- Coin is used to draw **curved** lines.
- Cone can be used to draw **slant** and **curved** lines.
- Cuboid is used to draw **straight** lines.

Multiple Choice Question

Tick (✓) the correct option:

- (d)
- (a)
- (c)
- (d)



Fun with Numbers

Worksheet 3.1

1. Complete the following patterns:

- a.
- b.
- c.
- d.

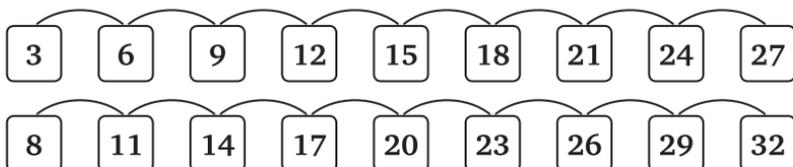
Worksheet 3.2

1. Look the pattern of the following series and write the next 3 terms of each series:

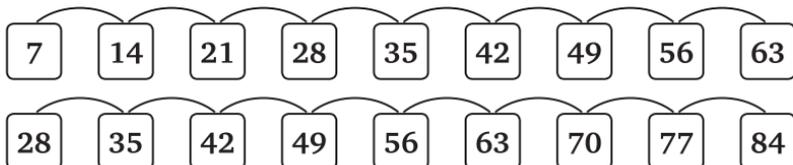
- a. 90, 80, 70, 60, 50, 40, 30 b. 2, 4, 8, 16, 32, 64, 128
c. 5, 8, 11, 14, 17, 20, 23 d. 2, 4, 6, 8, 10, 12, 14

Worksheet 3.3

1. Count in three and fill in the boxes:



2. Count in sevens and fill in the boxes:



3. Count in tens and fill in the boxes:



60

70

80

90

100

110

120

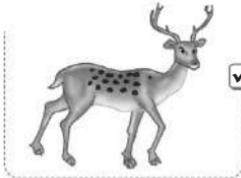
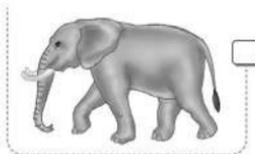
130

140

4. Count in fives and colour every fifth box:

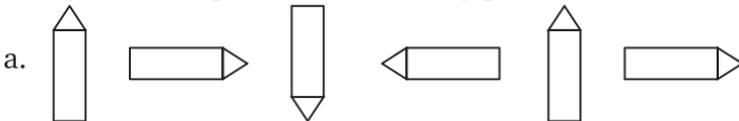
1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50

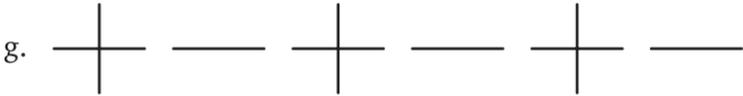
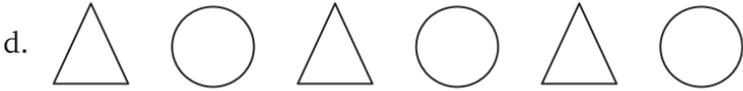
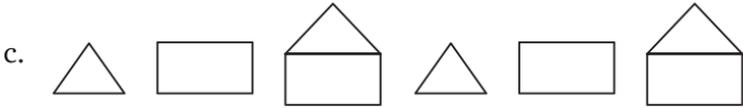
Tick (✓) the box where you see a pattern.



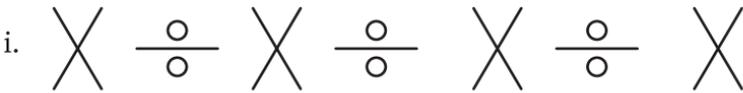
Worksheet 3.4

1. Study and complete the following patterns.

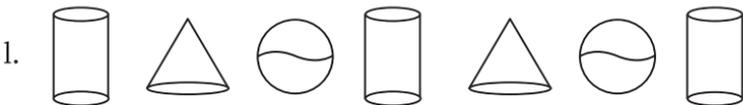




h. **1234 1234 1234 1234 1234**



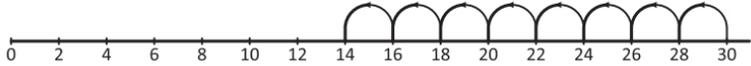
j. **A D G J M P**



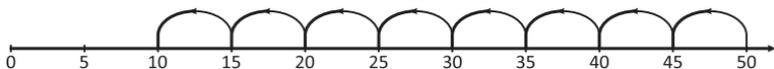
Worksheet 3.5

Complete the following patterns

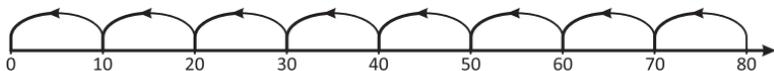
1. 30, 28, 26, 24, 22, 20, 18, 16, 14



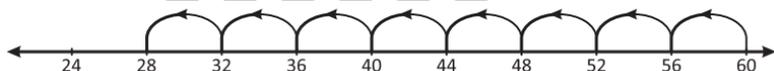
2. 50, 45, 40, **35**, **30**, **25**, **20**, **15**, **10**



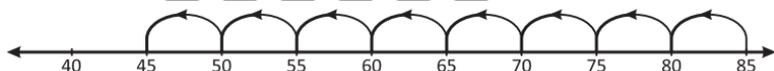
3. 80, 70, 60, **50**, **40**, **30**, **20**, **10**, **0**



4. 60, 56, 52, **48**, **44**, **40**, **36**, **32**, **28**



5. 85, 80, 75, **70**, **65**, **60**, **55**, **50**, **45**



Worksheet 3.6

1. Write

- 4, 8, 12, 16, 20, 24, 28, 32, 36, 40, 44, 48, 52, 56, 60, 64, 68, 72, 76, 80, 84, 88, 92, 96, 100
- 7, 14, 21, 28, 35, 42, 49, 56, 63, 70, 77, 84, 91, 98
- 28, 42, 56, 84

Jump and find the answers. Write 'Yes' or 'No'.

Make a number line on the ground and jump on it.

- yes
- yes
- yes
- no
- no

Worksheet 3.7

1. Write:

- No, because 13 comes before 30,.
- No, because 37 is an odd number.
- 25 steps because she count backward each and every number
- 8 steps, no, 21 will not home
- No,

2. Patterns in Number Chart

Look at the number chart and write down the answer.

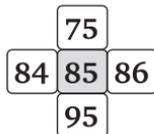
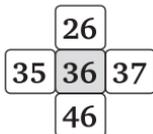
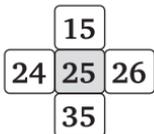
- 11** comes just before 12
- 23** comes just before 24
- 35** comes just before 36
- 47** comes just before 48

Worksheet 3.8

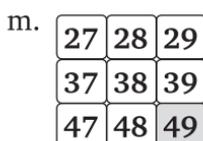
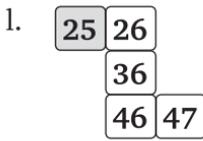
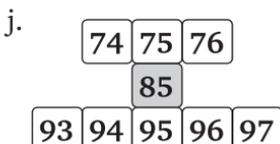
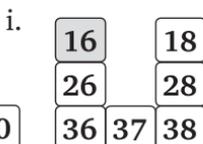
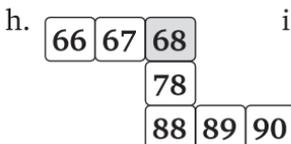
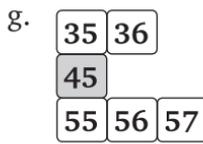
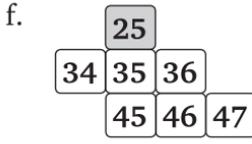
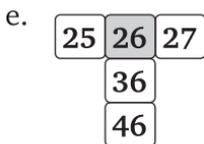
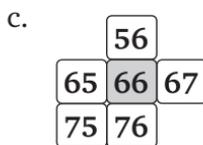
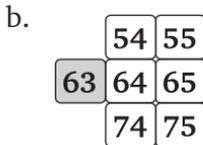
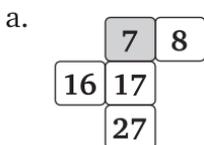
1. Nitin made a number window and placed it on the number chart as shown below:

- a. 45 b. 65 c. 56 d. 54

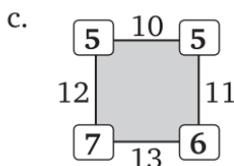
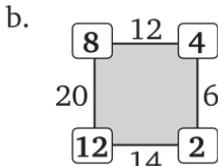
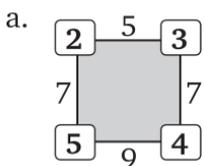
2. Let us do it for other number.



3. Based on the same number grid, fill the missing numbers.


Mental Math

Complete the pattern: One has been done for you:



Multiple Choice Questions

Tick (✓) the correct option:

1. (c) 2. (d) 3. (d) 4. (a) 5. (c)



Shadow Story (Togalu)

Worksheet 4.1

1. Identify the shadow and write the name of animals.



Crow



Wolf



Deer



Lion



Giraffe



Hen

2. Draw the objects whose shadow is forming. (Do yourself)

Worksheet 4.2

The weight of each shape is given below.

Find the total weight of the given combinations. One has been done for you.

$$\triangle + \bigcirc + \star = 5g + 4g + 3g = 12g$$

$$\square + \square + \triangle = 8g + 8g + 5g = 21g$$

$$\text{trapezoid} + \bigcirc + \bigcirc = 6g + 4g + 4g = 14g$$

$$\bigcirc + \triangle + \square = 4g + 5g + 8g = 17g$$

$$\text{☆} + \text{☆} + \text{●} = 3g + 3g + 4g = 10g$$

$$\text{▲} + \text{▲} + \text{●} = 5g + 5g + 4g = 14g$$

$$\text{■} + \text{●} + \text{■} = 6g + 4g + 8g = 18g$$

$$\text{☆} + \text{■} + \text{☆} = 3g + 6g + 3g = 12g$$

Worksheet 4.3

1. Complete the following patterns:

a. **ABC CDE EFG GHI**



g. **XYZ ZYX XYZ ZYX XYZ**



2. Complete the following patterns:





Playing with Lines

Worksheet 5.1

1. Tick (✓) the objects which can be used to draw straight lines:

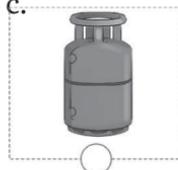
a.



b.



c.



2. Tick (✓) the objects which can be used to draw curved lines:

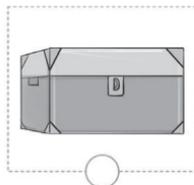
a.



b.



c.



Worksheet 5.2

1. Make new shapes with straight lines (vertical, horizontal and slanting). (Do yourself)

Worksheet 5.3

1. Draw different figures with the help of curved lines, like clouds, rainbow, etc. (Do yourself)



Decoration for Festival

Worksheet 6.1

1. Add the following:

(a)

	T	O
	5	5
+	1	3
	6	8

 (b)

	T	O
	4	2
+	2	5
	6	7

 (c)

	T	O
	6	3
+	2	6
	8	9

 (d)

	T	O
	3	5
+	6	3
	9	8

(e)

	T	O
	5	7
+	3	2
	8	9

 (f)

	T	O
	7	3
+	1	5
	8	8

 (g)

	T	O
	4	4
+	2	3
	6	7

 (h)

	T	O
	8	1
+	1	6
	9	7

(i)

	T	O
	3	2
+	3	6
	6	8

 (j)

	T	O
	5	4
+	3	2
	8	6

 (k)

	T	O
	6	2
+	2	3
	8	5

 (l)

	T	O
	2	8
+	4	1
	6	9

2. Add the following:

(a)

	T	O
	4	0
	1	6
+	3	2
	8	8

 (b)

	T	O
	1	2
	3	3
+	4	4
	8	9

 (c)

	T	O
	1	4
	3	3
+	2	1
	6	8

 (d)

	T	O
	5	0
	2	5
+	1	4
	8	9

(e)

	T	O
	4	2
	3	4
+	2	1
	9	7

 (f)

	T	O
	3	7
	2	0
+	3	1
	8	8

 (g)

	T	O
	6	1
	1	7
+	1	1
	8	9

 (h)

	T	O
	1	2
	4	2
+	3	2
	8	6

(i)

	T	O
	3	0
	1	2
+	5	2
	9	4

(j)

	T	O
	6	3
	1	5
+	1	1
	8	9

(k)

	T	O
	4	3
	2	1
+	2	3
	8	7

(l)

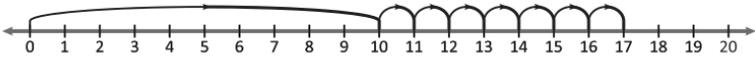
	T	O
	3	3
	1	1
+	5	5
	9	9

Worksheet 6.2

Add the following numbers on the number line:

1.

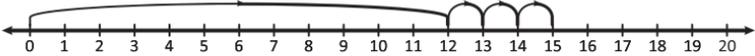
10 and 7



So, $10 + 7 = 17$

2.

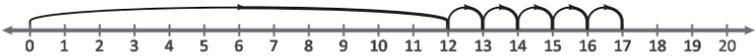
12 and 3



So, $12 + 3 = 15$

3.

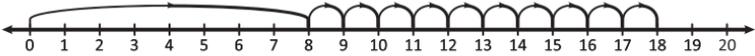
12 and 5



So, $12 + 5 = 17$

4.

8 and 10



So, $8 + 10 = 18$

Worksheet 6.3

Add the following:

1.

	T	O
	1	
	2	8
+	5	6
	8	4

2.

	T	O
	1	
	6	2
+	2	8
	9	0

3.

	T	O
	1	
	7	6
+	1	8
	9	4

4.

	T	O
	1	
	7	4
+	1	9
	9	3

5.

	T	O
	1	
	5	3
+	2	8
	8	1

 6.

	T	O
	1	
	6	7
+	1	7
	8	4

 7.

	T	O
	1	
	4	8
+	2	5
	7	3

 8.

	T	O
	1	
	3	7
+	1	9
	5	6
9.

	T	O
	1	
	6	5
+	1	7
	8	2

 10.

	T	O
	1	
	3	9
+	5	9
	9	8

 11.

	T	O
	1	
	3	7
+	2	9
	6	6

 12.

	T	O
	1	
	3	8
+	2	5
	6	3

Worksheet 6.4

1. Number of chairs = 186
 Number of stools = 88
 Number of tables = 146
 Total items he sell = $186 + 88 + 146$
 $= 420$

	H	T	O
	2	2	
	1	8	6
		8	8
+	1	4	6
	4	2	0

2. Number of hens = 258
 Number of goats = 84
 Number of dogs = 34
 Total number of animals = $258 + 84 + 34$
 $= 376$

	H	T	O
	1	1	
	2	5	8
		8	4
+		3	4
	3	7	6

3. Cheena has money = ₹ 348
 Her brother has = ₹ 559
 Total money = ₹ 907

	H	T	O
	1	1	
	3	4	8
+	5	5	9
	9	0	7

4. Number of mango trees = 186
 Number of papaya tree = 138
 Number of guava trees = 84
 Total number of trees = $186 + 138 + 84$
 $= 408$

	H	T	O
	2	1	
	1	8	6
	1	3	8
+		8	4
	4	0	8

5. Number of dresses folded = 14

Number of shirts folded = 28

Number of jeans folded = 15

Number of kurtas folded = 42

$$\begin{aligned} \text{Total clothes folded} &= (14 + 28 + 15 + 42) \\ &= 99 \end{aligned}$$

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

6. Number of peaches plants = 78

Number of oranges plants = 118

Number esscolyptns plants = 264

$$\begin{aligned} \text{Total number of plants} &= (75 + 118 + 264) \\ &= 460 \end{aligned}$$

	H	T	O
	1	2	
		7	8
	1	1	8
+	2	6	4
	4	6	0

Worksheet 6.5

1. Subtract the following:

(a)	<table border="1"><thead><tr><th></th><th>T</th><th>O</th></tr></thead><tbody><tr><td></td><td>6</td><td>8</td></tr><tr><td>-</td><td>4</td><td>3</td></tr><tr><td></td><td>2</td><td>5</td></tr></tbody></table>		T	O		6	8	-	4	3		2	5	(b)	<table border="1"><thead><tr><th></th><th>T</th><th>O</th></tr></thead><tbody><tr><td></td><td>6</td><td>4</td></tr><tr><td>-</td><td>3</td><td>2</td></tr><tr><td></td><td>3</td><td>2</td></tr></tbody></table>		T	O		6	4	-	3	2		3	2	(c)	<table border="1"><thead><tr><th></th><th>T</th><th>O</th></tr></thead><tbody><tr><td></td><td>8</td><td>9</td></tr><tr><td>-</td><td>2</td><td>8</td></tr><tr><td></td><td>6</td><td>1</td></tr></tbody></table>		T	O		8	9	-	2	8		6	1	(d)	<table border="1"><thead><tr><th></th><th>T</th><th>O</th></tr></thead><tbody><tr><td></td><td>7</td><td>7</td></tr><tr><td>-</td><td>2</td><td>3</td></tr><tr><td></td><td>5</td><td>4</td></tr></tbody></table>		T	O		7	7	-	2	3		5	4
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	1	1																																																					
	T	O																																																					
	6	9																																																					
-	1	2																																																					
	5	7																																																					

Worksheet 6.6

Do Yourself

Worksheet 6.7

Subtract the following numbers on the number line:

1.

	T	O
	4	12
	5	2
-	4	7
	0	5

 2.

	T	O
	5	10
	6	0
-	3	8
	2	2

 3.

	T	O
	5	13
	6	3
-	4	7
	1	6

 4.

	T	O
	5	14
	6	4
-	1	9
	4	5
5.

	T	O
	5	17
	6	7
-	5	8
	0	9

 6.

	T	O
	3	13
	4	3
-	2	8
	1	5

 7.

	T	O
	5	13
	6	3
-	1	8
	4	5

 8.

	T	O
	8	10
	9	0
-	7	8
	1	2
9.

	T	O
	7	14
	8	4
-	3	6
	4	8

 10.

	T	O
	8	12
	9	2
-	8	5
	0	7

 11.

	T	O
	6	10
	7	0
-	5	3
	1	7

 12.

	T	O
	6	12
	7	2
-	5	8
	1	4
13.

	T	O
	4	10
	5	0
-	3	8
	1	2

 14.

	T	O
	5	11
	6	1
-	4	6
	1	5

 15.

	T	O
	6	13
	7	3
-	6	8
	0	5

 16.

	T	O
	4	10
	5	0
-	1	9
	3	1

Worksheet 6.8

1. Number of white beads = 96
 Number of black beads = 48
 Total number of beads = $96 + 48 = 144$
 Number of beads broken = 29
 Total beads left = $144 - 29 = 115$
2. Total number of packets = 480
 Packets sell on first day = 205

Packets sell on second day = 168

$$\begin{aligned} \text{Number of packets remain} &= 480 - (205 + 168) \\ &= 480 - 373 = 107 \end{aligned}$$

3. Total number of parrots = 26

Parrots after ten parrots more join = $26 + 10 = 36$

Parrots flew away = 8

Parrots left on tree = $36 - 8 = 28$

4. Number of chairs bought on Monday = 465

Number of chairs bought on Tuesday = 296

Total chairs bought = $465 + 296 = 761$

Chairs sold = 680

Chairs left = $761 - 680 = 81$

5. Total passengers in train = 856

Number of passengers got down at one station = 497

Passengers got down at other station = 96

$$\begin{aligned} \text{Passengers left in train} &= 856 - (497 + 96) \\ &= 856 - 593 = 263 \end{aligned}$$

SEL

Total blankets = 600

Given blankets to poor children = 358

Given blankets old age home = 237

$$\begin{aligned} \text{Left blankets} &= 600 - (358 + 237) \\ &= 600 - 595 = 5 \end{aligned}$$

Mental Maths

Read the problem. Circle + or - as required. Write the sum and find out the answer.

1. $68 \text{ } \ominus \text{ } 43 = 25$

2. $\text{₹ } 650 \text{ } \oplus \text{ } \text{₹ } 250 \text{ } \ominus \text{ } \text{₹ } 150 = \text{₹ } 750$

3. $\text{₹ } 250 \text{ } \oplus \text{ } \text{₹ } 60 = \text{₹ } 310$

4. $56 \text{ } \ominus \text{ } 47 = 9$

5. $34 + 43$ is same as $43 + 34$

6. $42 + 0$ is equal to $42 + 0$

7. 20 more than 68 = $68 + 20 = 88$

8. 16 less than 74 = $74 - 16 = 58$

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$$9. 225 \text{ more than } 550 = 550 + 225 = 775$$

Multiple Choice Questions

1. (c) 2. (c) 3. (b) 4. (a) 5. (c)
6. (c) 7. (d) 8. (b) 9. (d)

(Page 54)

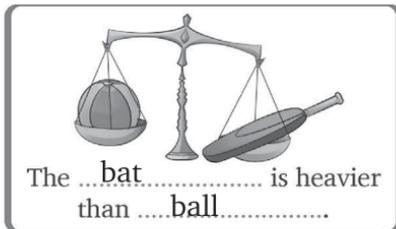
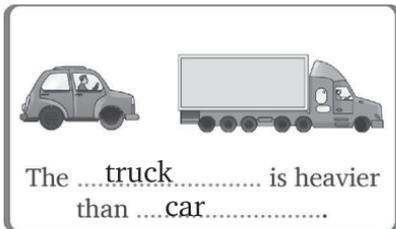
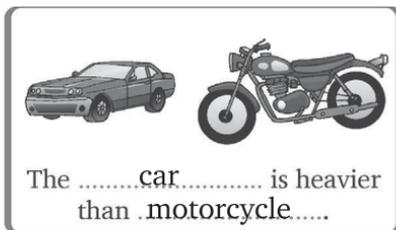
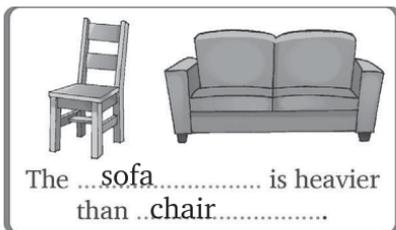
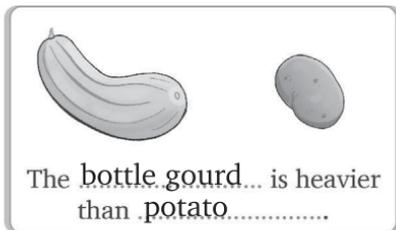
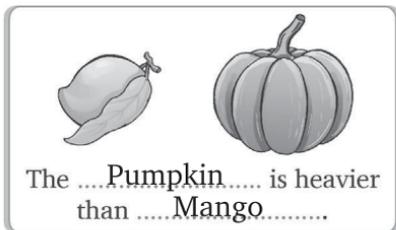
20	-	6	=	14
				+
29	=	11	18 +	4
+				
6	=	35	+	8 = 43
				-
30	=	3	-	10



Rani's Gift

Worksheet 7.1

1. Fill in the blanks:

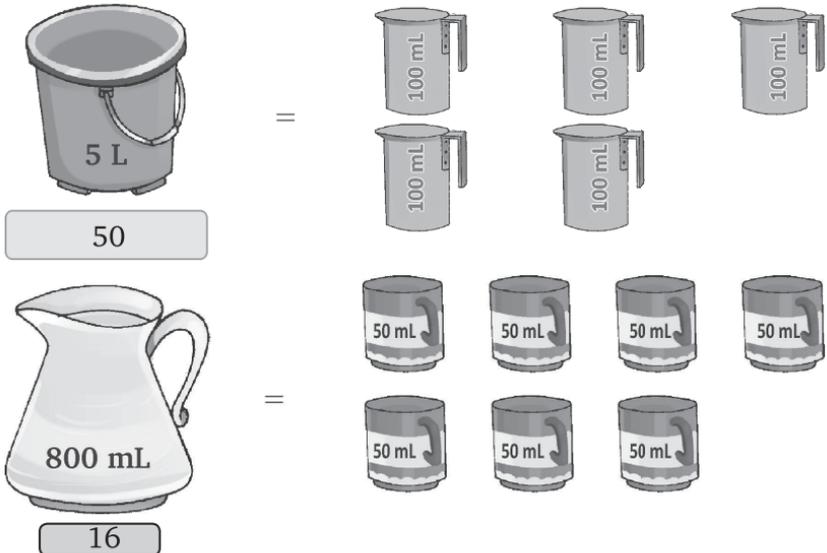


2. Write whether the mass of the following objects measure in g or kg:

- The mass of a **cycle** is in kg.
- The mass of a **mobile** is in g.
- The mass of a **rubber** is in g.
- The mass of a **geometry box** is in g.
- The mass of a **bottle** is in g.
- The mass of a **table** is in kg.

Worksheet 7.2

1. How many small containers are needed to fill big container?



2. Write whether the capacity of the following are measured in mL or L:

- Tea in a **cup** is in mL.
- Water in a **cane** is in L.
- Milk in a **glass** is in mL.
- Syrup in a **bottle** is in mL.
- Milk in a **cane** is in L.

3. Convert the following in mL:

- $3 \text{ L} = (3 \times 1000) \text{ mL} = 3000 \text{ mL}$
- $5 \text{ L} = (5 \times 1000) \text{ mL} = 5000 \text{ mL}$
- $16 \text{ L} = (16 \times 1000) \text{ mL} = 16000 \text{ mL}$
- $27 \text{ L} = (27 \times 1000) \text{ mL} = 27000 \text{ mL}$

Multiple Choice Questions

Tick (✓) the correct option:

- (b)
- (c)
- (b)
- (c)
- (d)
- (b)
- (a)
- (c)
- (c)
- (b)
- (c)



Grouping and Sharing

Worksheet 8.1

1. Fill in the boxes:

a.

$= 20$ or $4 \times 5 = 20$

b.

$= 12$ or $3 \times 4 = 12$

c.

$= 24$ or $6 \times 4 = 24$

d.

$= 32$ or $8 \times 4 = 32$

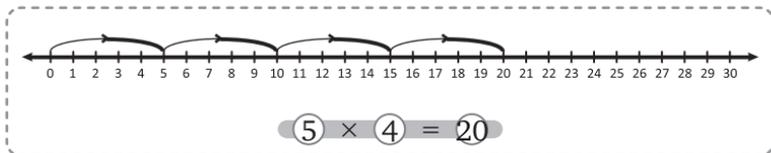
e.

$= 16$ or $4 \times 4 = 16$

Worksheet 8.2

1. Using the number line, multiply the following:

a. Multiply 5 by 4

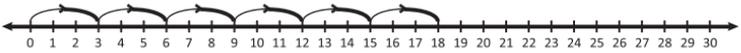


b. Multiply 4 by 7



$$4 \times 7 = 28$$

c. Multiply 3 by 6



$$3 \times 6 = 18$$

Worksheet 8.3

1. Fill in the boxes:

a. $7 \times 5 = 5 \times \boxed{7}$

b. $10 \times 5 = \boxed{5} \times 10$

c. $5 \times 8 = \boxed{8} \times 5$

d. $9 \times 8 = 8 \times \boxed{9}$

e. $8 \times 1 = \boxed{8}$

f. $7 \times \boxed{1} = 7$

g. $7 \times 0 = \boxed{0}$

h. $6 \times \boxed{0} = 0$

i. $5 \times 1 = \boxed{5}$

Count the following and add:



$$\boxed{6} + \boxed{6} + \boxed{6} = \boxed{18}$$



$$\boxed{5} + \boxed{5} + \boxed{5} + \boxed{5} + \boxed{5} = \boxed{25}$$



$$\boxed{4} + \boxed{4} + \boxed{4} + \boxed{4} + \boxed{4} = \boxed{20}$$



10

+



10

+



10

+



10

=

40



8

+



8

+



8

+



8

=

32

Worksheet 8.4

Count and write the number of object:



3

+



3

+



3

+



3

=

12

or

3

×

4

=

12



6

+



6

+



6

+



6

=

24

or

6

×

4

=

24



8

+



8

+



8

=

24

or

8

×

3

=

24

Worksheet 8.5

Using Multiplication Tables, Find the Products

$5 \times 10 = 50$

$5 \times 4 = 20$

$3 \times 7 = 21$

$10 \times 4 = 40$

$1 \times 4 = 4$

$10 \times 3 = 30$

$2 \times 5 = 10$

$2 \times 6 = 12$

$2 \times 2 = 4$

$3 \times 4 = 12$

$2 \times 3 = 6$

$4 \times 5 = 20$

$5 \times 3 = 15$

$2 \times 4 = 8$

$4 \times 3 = 12$

$10 \times 5 = 50$

$3 \times 6 = 18$

$4 \times 7 = 28$

$2 \times 7 = 14$

$5 \times 6 = 30$

$4 \times 8 = 32$

$4 \times 2 = 8$

$9 \times 7 = 63$

$8 \times 7 = 56$

$4 \times 9 = 36$

$2 \times 6 = 12$

$4 \times 10 = 40$

$5 \times 2 = 10$

$3 \times 9 = 27$

$3 \times 10 = 30$

$10 \times 1 = 10$

$8 \times 9 = 72$

$2 \times 10 = 20$

$2 \times 8 = 16$

$7 \times 8 = 56$

$5 \times 7 = 35$

$5 \times 8 = 40$

$4 \times 4 = 16$

$5 \times 9 = 45$

Worksheet 8.6

1. Using multiplication tables, find the product of the following:

a. $8 \times 7 = 56$

b. $7 \times 5 = 35$

c. $8 \times 9 = 72$

d. $7 \times 9 = 63$

e. $6 \times 8 = 48$

f. $8 \times 6 = 48$

g. $9 \times 7 = 63$

h. $5 \times 9 = 45$

i. $9 \times 8 = 72$

j. $8 \times 5 = 40$

k. $9 \times 10 = 90$

l. $4 \times 4 = 16$

m. $4 \times 8 = 32$

n. $6 \times 3 = 18$

o. $10 \times 2 = 20$

p. $7 \times 7 = 49$

q. $3 \times 6 = 18$

r. $10 \times 3 = 30$

Worksheet 8.7

2. So, $16 \div 4 = 4$

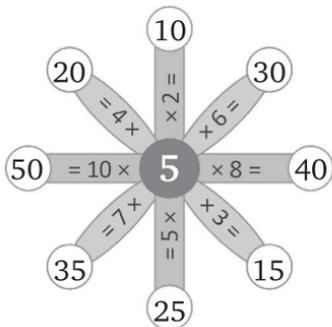
3. $18 \div 9 = 2$

4. $25 \div 5 = 5$

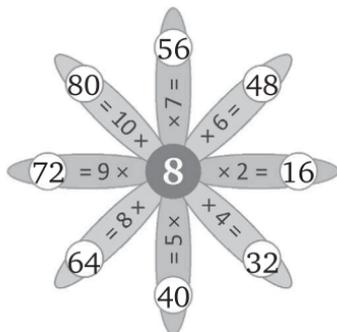
Mental Maths

Fill the followers:

1.



2.



Multiple Choice Questions

Tick (✓) the correct option:

1. (a) 2. (a) 3. (b) 4. (c) 5. (c)



Which Season is it?

Worksheet 9.1

Match the following season:



Winter

Rainy

Autumn

Summer

Spring



Worksheet 9.2



Meetali wakes up at
.....6..... o'clock.

She goes to school at
.....7..... o'clock.



She returns home at
.....2..... o'clock.





She takes her lunch at**2:30**... o'clock.



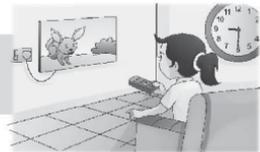
She goes to park to play at**4**..... o'clock.

She does her home work at**6**..... o'clock.



She takes her dinner at**9**..... o'clock.

She watch television at**9:30**... o'clock.



Meetali goes to bed at**10**.... o'clock.

Worksheet 9.3

1. Write the time shown by clock:

a.



4:00

b.



8:00

c.



10:00

2. Draw the hands to show the given time:

a.



2 o'clock

b.



9 o'clock

c.



4 o'clock

Worksheet 9.4

1. Write the time shown by the clocks:

a.



1:30

b.



8:15

c.



9:45

d.



4:15

e.



7:45

f.



5:45

2. Draw the two hands of the clocks of show the given time:

a.



4:30

b.



5:30

c.



6:15

d.



7:15

e.



8:45

f.



10:15

g.

	₹	p
	1	1
	1 7 5	2 6
+	6 1 9	5 7
	7 9 4	8 3

h.

	₹	p
	1 1	1
	2 4 9	4 8
+	1 3 5	6 6
	3 8 5	1 4

i.

	₹	p
	1	1
	5 7 2	5 7
+	3 2 5	6 4
	8 9 8	2 1

j.

	₹	p
	1 1 1	1
	5 4 7	5 9
+	2 5 6	6 8
	8 0 4	2 7

k.

	₹	p
	1 1	
	2 3 7	7 5
+	5 6 4	1 2
	8 0 1	8 7

l.

	₹	p
	1	1
	4 2 7	6 9
+	3 2 4	2 1
	7 5 1	9 0

Worksheet 10.3

1. Subtract the following:

a.

	₹	p
	4 13 12	4 10
	₹ 42	₹ 0
-	1 6 8	3 7
	3 7 4	1 3

b.

	₹	p
	2 15	2 17
	₹ 33	₹ 7
-	1 8	2 8
	1 7	0 9

c.

	₹	p
		1 10
	6 5	₹ 0
-	3 4	1 8
	3 1	0 2

d.

	₹	p
	5 12	12
	₹ 33	₹ 5
-	2 8	3 4
	3 4	9 1

e.

	₹	p
	4 9 9	12 15
	₹ 300	₹ 33
-	2 3 8	5 6
	2 6 1	7 9

f.

	₹	p
	4 11 13	11 16
	₹ 324	₹ 3
-	1 3 8	4 8
	3 8 5	7 8

g.

	₹	p
	6 10	
	3 7 0	5 8
-	1 2 6	5 2
	2 4 4	0 6

h.

	₹	p
	5 11 9	14 12
	₹ 320	₹ 33
-	1 2 9	6 8
	4 9 0	8 4

Worksheet 10.4

1. Cost of book = ₹ 275.75
 Cost of copy = ₹ 38.40
 Cost of box = ₹ 65.70
 Total money spend = ₹ (275.75 + 38.40 + 65.70)
 = ₹ 379.85

	₹	p
	1 1 1	
	2 7 5	7 5
	3 8	4 0
+	6 5	7 0
	3 7 9	8 5

Hence, he spent ₹ 379.85 in all.

2. Tina has money = ₹ 500
 Cost of soaps = ₹ 228.65
 Cost of shampoo = ₹ 237.48
 Money left with her = ₹ {500 - (228.65 + 237.48)} = ₹ 33.87

	₹	p
	1 1 1	
	2 2 8	6 5
+	2 3 7	4 8
	4 6 6	1 3

	₹	p
	4 9 9	9 10
	5 0 0	0 0
-	4 6 6	1 3
	0 3 3	8 7

3. Cost of a doll = ₹ 215
 Cost of a kitchen set = ₹ 325
 Total money she spend = ₹ (215 + 325)
 = ₹ 540

	₹	p
	1	
	2 1 5	0 0
+	3 2 5	0 0
	5 4 0	0 0

She spends in all ₹ 540.

4. Total money = ₹ 300
 Cost of potatoes = ₹ 80
 Cost of tomatoes = ₹ 104
 Money left with her = ₹ {300 - (80 + 104)}

	₹	p
	1 0 4	0 0
+	8 0	0 0
	1 8 4	0 0

	₹	p
	2 9 10	
	3 0 0	0 0
-	1 8 4	0 0
	1 1 6	0 0

$$= ₹ (300 - 184) = ₹ 116$$

Mental Maths

1. Money given to shopkeeper = ₹ 500
 Cost of a chair he buys = ₹ 485
 Money a person get back = ₹ (500 – 485)
 A person get back ₹ 15.

	₹	p
	4 9 10	
	₹ 0 0 0	0 0
-	4 8 5	0 0
	0 1 5	0 0

2. Cost of ball = ₹ 70
 Boy has money = ₹ 48
 Money needed to buy a ball = ₹ (70 – 48)
 ₹ 22 is required to buy a ball.

	₹	p
	6 10	
	₹ 7 0	0 0
-	4 8	0 0
	2 2	0 0

- 3.
- | | ₹ |
|---|---------|
| | 0 9 10 |
| | ₹ 1 0 0 |
| - | 6 0 |
| | 4 0 |
- | | ₹ |
|---|-----|
| | 9 0 |
| - | 6 0 |
| | 3 0 |

The difference of ₹ 100 and ₹ 60 is more

4. Cost of ball = ₹ 45
 Cost of bat = ₹ 250
 Total cost of bat and ball = ₹ (250 + 45)
 = ₹ 295

Hence, the total cost of bat and ball is ₹ 295.

	₹
	2 5 0
+	4 5
	2 9 5

Multiple Choice Questions

1. (c) 2. (c)



Data Handling

Worksheet 11.1

1. **Students of a school use different modes of transport. Study the pictograph carefully and give the answer of following questions:**
 - a. Number of students comes by bus $= 6 \times 20 = 120$
 - b. Number of students comes by car $= 5 \times 20 = 100$
 - c. Number of students comes by autorickshaw $= 10 \times 20 = 200$
 - d. Number of students comes by scooty $= 6 \times 20 = 120$
 - e. Number of students comes by bike $= 5 \times 20 = 100$

2. **Study the pictograph carefully and answer the following questions.**
 - a. Number of students are interested in Cricket $= 8 \times 10 = 80$
 - b. Number of students are interested in Tennis $= 6 \times 10 = 60$
 - c. Number of students are interested in Badminton $= 7 \times 10 = 70$
 - d. Number of students are interested in Football $= 5 \times 10 = 50$
 - e. Number of students are interested in basketball $= 9 \times 10 = 90$