1 Revision

1. a. < b. < c = d. <

2. a. 200 + 4 b. 80 + 2 c. 100 + 10 + 1

3. a. 5 b. 400 c. 90 d. 300

4. a. 600 b. 15 c. 490 d. 341

5. a. 998 b. 583 c. 26 d. 933

6. a. smallest b. greatest c. 5

7. a. Nine hundred twenty one b. Three hundred sixty nine
c. Four hundred two

8. a. 776, 583, 459, 392, 236 b. 110, 101, 100, 10, 1

9. a. 986 b. 269 c. 723 d. 150

10. a. 753 b. 932 c. 732 d. 987

11. a. 289 b. 248 c. 135 d. 579

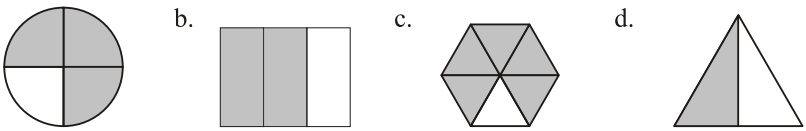
12. a.
$$\begin{array}{r} 956 \\ +\ 43 \\ \hline 999 \end{array}$$

b.
$$\begin{array}{r} 438 \\ \times\ 17 \\ \hline 3066 \\ 4380 \\ \hline 7446 \end{array}$$

c.
$$\begin{array}{r} {\scriptstyle (12)} \\ {\scriptstyle (5)(2)(18)} \\ 638 \\ -\ 49 \\ \hline 589 \end{array}$$

d.
$$\begin{array}{r} 9\overline{)728} \\ -\ 72 \\ \hline 0 \end{array}$$

13. a. b. c. d.



14. a. Circle b. Cuboid c. Rectangle d. Triangle

15. a. 7:25 b. 9:05 c. 3:45

16. a. The least popular game is Basket ball.
b. The most popular game is Football.
c. 24 students play table tennis.
d. 4 student
e. Numer of student play volley ball = 20
Number of student play football = 36
Total number of student = 20 + 36 = 56

2 Numbers beyond 1000

Exercise 2.1

1. a. One thousand two hundred thirty six.
b. One thousands seven hundred eighty five.
c. Four thousands six hundred thirty two.
d. Three thousand one hundred ninety

2. a. 2311 b. 5627 c. 9200 d. 7117

Exercise 2.2

1. a. 2654 = 2 thousands + 6 hundreds + 5 tens + 4 ones.
b. 5321= 5 thousands + 3 hundreds + 2 tens + 1 ones.
c. 8642 = 8 thousands + 6 hundreds + 4 tens + 2 ones.
d. 4316 = 4 thousands + 3 hundreds + 1 tens + 6 ones.
e. 9999 = 9 thousands + 9 hundreds + 9 tens + 9 ones.

2. a. Place value of 2 is 2 tens
b. Place value of 2 is 2 thousands
c. Palce value of 3 is 3 ones.
d. Palce value of 9 is 9 hundred
e. Palce value of 7 is 7 hundred
f. Palce value of 9 is 9 ones.
g. Palce value of 2 is 2 hundred.
h. Palce value of 4 is thousand

Exercise 2.3

1. a. Face value 5, Place value 50,
b. Face value 7, Place value 700
c. Face value 5, Place value 5000
d. Face value 7 Place value 7

2. i. c. 6350 (ii) b. 4356 (iii) c. 5643

Exercise 2.4

1. a. Forward 8869 8969 9069 9169 9269
b. Backward 8969 8869 8769 8669 8569

2.

	Predecessor (Before)	Number	Successor (After)
	1492 – 1 = 1491	1492	1492 + 1 = 1493
a.	3462 – 1 = 3461	3462	3462 + 1 = 3463
b.	7999 – 1 = 7998	7999	7999 + 1 = 8000
c.	4789 – 1 = 4788	4789	4789 + 1 = 4790
d.	6240 – 1 = 6239	6240	6240 + 1 = 6241

Exercise 2.5

1. a. 6235, 6240, 6245, 6250, 6255
b. 2010, 2020, 2030, 2040, 2050
c. 1010, 1110, 1210, 1310, 1410
d. 2000, 2020, 2040, 2060, 2080

2. a. 1990, 1985, 1980, 1975, 1970
b. 2010, 2000, 1990, 1980, 1970
c. 6900, 6800, 6700, 6600, 6500
d. 4362, 4360,4358, 4356, 4354

3. a. > b. > c. > d. < e. < f. >

4. a. Greater number : 3942, Smallest number : 3241
b. Greatest number : 2874, Smallest number : 2414
c. Greatest number : 4562, Smallest number : 4120
d. Greatest number : 8921, Smallest number : 8346

5. a. 2462, 4326, 5298, 7321
b. 1021, 1234, 1742, 2895
c. 4357, 5243, 7325, 9274
d. 2469, 4399, 8714, 8724

6. a. 9328, 8828, 8429, 8108
b. 8108, 6818, 6178, 6128
c. 8745, 8270, 8100, 5321
d. 5269, 4269, 4239, 2346

7. a. 2, 3, 9, 6 — The Largest number = 9632
b. 6, 4, 0, 1 — The Largest number = 6410

c. 9, 8, 2, 6 — The Largest number = 9862
d. 7, 3, 5, 8 — The Largest number = 8753
e. 4, 3, 6, 5 — The Largest number = 6543
f. 1, 2, 4, 6 — The Largest number = 6421

8. a. 9, 3, 8, 2 — The Smallest number = 2389
b. 4, 6, 5, 1 — The Smallest number = 1456
c. 7, 0, 3, 2 — The Smallest number = 2037
d. 8, 4, 6, 5 — The Smallest number = 4568
e. 1, 7, 5, 3 — The Smallest number = 1357
f. 2, 4, 7, 3 — The Smallest number = 2347

Exercise 2.6

1. a. < b. > c. < d. < e. > f. >

2. a. 89432 b. 79432 c. 34690 d. 72945 e. 92105 f. 72895

3. a. 12374 b. 97243 c. 32471 d. 22342 e. 43820 f. 32460

4.

	Predecessor (Before)	Number	Successor (After)
a.	23460 – 1 = 23459	23460	23460 + 1 = 23461
b.	37999 – 1 = 37998	37999	37999 + 1 = 38000
c.	87695 – 1 = 87694	87695	87695 + 1 = 87696
d.	22389 – 1 = 22388	22389	22389 + 1 = 22390

5. a. 43498, 43500, 43502, 42504 , 43506 ,43508.
b. 65905, 65903, 65901, 65899 , 65897, 65895.
c. 80003, 80002, 80001, 79999 , 79997, 79995.
d. 70120, 70125, 70130, 70135, 70140, 70145.
e. 18320, 18310, 18300, 18290, 18280, 18270.

MCQs

1. c **2.** a **3.** b **4.** c **5.** a

3 Addition

Exercise 3.1

1. a.

	H	T	O
	5	2	
+	3	5	
	8	7	

b.

	H	T	O
		(1)	
		3	6
+		1	8
		5	4

c.

	H	T	O
		4	2
+		2	7
		6	9

d.

	H	T	O
	1	3	8
+	3	6	1
	4	9	9

e.

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

f.

	H	T	O
	6	7	1
+	1	1	8
	7	8	9

g.

	H	T	O
		(1)	
	1	0	6
+	4	0	8
	5	1	4

h.

	H	T	O
	(1)	(1)	
	3	7	8
+	2	2	4
	6	0	2

i.

	H	T	O
	(1)	(1)	
	5	6	3
+	3	4	9
	9	1	2

Exercise 3.2

Fill in the blanks :

a. 818 + 1 = **819**

b. 0 + 931 = **931**

c. **4212** + 0 = 4212

d. 1300 + 1 = **1301**

e. 1514 + 307 = 307 + **1514**

f. 2916 + **500** = 500 + 2916

Exercise 3.3

1. a.

	Th	H	T	O
	4	1	5	3
+	1	3	4	2
	5	4	9	5

b.

	Th	H	T	O
	3	5	3	3
+	2	1	6	3
	5	6	9	6

c.

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

d.

	Th	H	T	O
	5	6	8	2
+	3	2	0	6
	8	8	8	8

e.

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

f.

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

g.

	Th	H	T	O
	4	4	7	1
+	1	3	0	0
	5	7	7	1

h.

	Th	H	T	O
	9	0	3	2
+	0	9	6	7
	9	9	9	9

i.

	Th	H	T	O
	5	1	0	3
	1	0	5	5
+	3	1	1	1
	9	2	6	9

j.

	Th	H	T	O
	4	2	3	8
	1	1	2	0
+	3	5	3	0
	8	8	8	8

k.

	Th	H	T	O
	5	4	6	7
	2	2	1	0
+	1	3	2	1
	8	9	9	8

l

	Th	H	T	O
	7	6	0	2
	1	1	0	0
+	1	0	5	6
	9	7	5	8

2. a.

	Th	H	T	O
	1	2	8	4
+	2	3	1	5
	3	5	9	9

b.

	Th	H	T	O
	2	5	9	6
+	7	4	0	3
	9	9	9	9

c.

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

d.

	Th	H	T	O
	3	5	6	7
+	4	2	2	2
	7	7	8	9

e.

	Th	H	T	O
	6	0	0	0
+	1	0	0	0
	7	0	0	0

f.

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

g.

	Th	H	T	O
	2	3	6	4
+	7	1	2	3
	9	4	8	7

h.

	Th	H	T	O
	3	7	2	7
	2	1	6	2
+	2	0	0	0
	7	8	8	9

i.

	Th	H	T	O
	4	3	0	2
	3	0	2	4
+	2	4	3	0
	9	7	5	6

Exercise 3.4

1. a.

Th	H	T	O
	◯	◯	①
3	6	3	7
+ 1	2	2	4
4	8	6	1

b.

Th	H	T	O
	①	①	①
4	7	0	9
+ 2	2	9	5
7	0	0	4

c.

Th	H	T	O
	①	◯	◯
7	6	6	0
+ 1	7	3	7
9	3	9	7

d.

Th	H	T	O
	①	①	①
3	9	5	4
+ 5	0	7	6
9	0	3	0

e.

Th	H	T	O
	◯	◯	①
8	7	2	7
+ 1	0	6	6
9	7	9	3

f.

Th	H	T	O
	①	①	①
2	9	6	9
+ 5	2	9	7
8	2	6	6

g.

Th	H	T	O
	①	②	②
7	4	2	9
1	4	7	6
+	6	9	5
9	6	0	0

h.

Th	H	T	O
	①	①	②
5	3	5	9
1	8	4	3
+	3	4	8
7	5	5	0

2. a.

Th	H	T	O
		①	①
2	0	9	5
+ 2	3	4	5
4	4	4	0

b.

Th	H	T	O
		①	①
6	3	4	9
+ 1	3	6	8
7	7	1	7

c.

Th	H	T	O
	①	①	
3	7	4	0
+ 2	7	8	8
6	5	2	8

d.

Th	H	T	O
	①	①	①
6	8	9	9
+ 2	2	3	5
9	1	3	4

e.

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

f.

Th	H	T	O
	①	①	①
1	9	9	9
+ 6	3	9	9
8	3	9	8

g.

Th	H	T	O
	①	①	①
4	1	1	0
3	9	8	7
+	5	2	7
8	6	2	4

h.

Th	H	T	O
	①	①	
3	1	7	5
4	2	5	0
+ 1	7	5	0
9	1	7	5

Exercise 3.5

Add the following :

a.	92	b.	967	c.	1249	d.	2188	e.	1631
f.	817	g.	8414	h.	8679	i.	5357	j.	7117
k.	6215	l.	8007	m.	9659	n.	8000		

Mental Exercise

5749			8144			3060		
5739	+	**10**	**8134**	+	**10**	3050	+	**10**
5639	+	100	8034	+	**110**	2960	+	**100**
4749	+	**1000**	**7144**	+	1000	**2060**	+	1000

Exercise 3.6

1.

			Th	H	T	O
School A student	=		3	1	9	4
School B student	=	+	2	9	9	7
Total student			6	1	9	7

So, 6197 students are there in all.

2.

		Th	H	T	O
Mango trees	=	2	4	6	0
Apple tree	=	3	7	0	9
Peach tree	= +	3	1	6	5
Total tree		9	3	3	4

So, 9334 trees in the orchard.

3.

		Th	H	T	O
First week sells eggs	=	2	8	5	6
Second week sells eggs	= +	1	4	8	8
		4	3	4	4

So, 4344 eggs sell in super market.

4.

		Th	H	T	O
People went to see the cricket match	=	3	3	8	0
People went to see the hockey match	= +	3	4	9	7
Total went to see match	=	6	8	7	7

5.

		Th	H	T	O
		1	1	1	
Students travel by Car	=	1	4	0	5
travel by bus	=	3	4	8	5
Walk to school	=	+ 9	6	9	
		5	8	5	9

Exercise 3.7

Fill in the correct digits in the boxes :

a.

Th	H	T	O
3	[0]	2	[1]
+ 1	3	[5]	7
[4]	3	7	8

In the one column = □ + 7 = 8 on 8 – 7 = 1

In the tens column = 2 + □ = 7 on 7 – 2 = 5

In hundreds column = □ + 3 = 3 or 3 – 3 = 0

In thousand column = 3 + 1 = 4

b.

Th	H	T	O
5	4	2	1
+ **3**	**3**	**5**	**8**
8	7	7	9

Steps

In one column = 9 – 8 = 1

In tens column = 7 – 2 = 5

In hundred column = 7 – 4 = 3

In thousand column = 8 – 5 = 3

c.

Th	H	T	O
3	4	2	**0**
+ **6**	3	**6**	5
9	**7**	8	5

Steps

In one column = 6 + 5 = 5 ⇒ 5 – 5 = 0

In tens column = 2 + 6 = 8 ⇒ 8 – 2 = 6

In hundred column = 4 + 3 = 7

In thousand column = 3 + ___ = 9 ⇒ 9 – 3 = 6

d.

Th	H	T	O
3	5	8	**0**
+ 3	**0**	0	9
6	5	**8**	9

Step

In one column = 0 + 9 ⇒ 9 – 9 = 0

tens column = 8 + 0 = 8

In hundred column = 5 + 0 = 5 ⇒ 5 – 5 = 0

In thousand column = 3 + 3 = 6 ⇒ 6 – 3 = 3

MCQ's

1. b **2.** a **3.** a **4.** b **5.** a **6.** c.

Worksheeet

1. c **2.** d **3.** a **4.** b **5.** f **6.** e

4 Subtraction

Exercise 4.1

1. a. 58 – 28 = 30 b. 46 – 35 > 6 c. 47 –15 > 16

d. 88 – 45 > 29 e. 75 – 48 > 11 f. 77 – 68 < 17

2. a. 549 and 298 b. 482 and 630 c. 186 and 575

5 4 9	6 3 0	5 7 5
– 2 9 8	– 4 8 2	– 1 8 6
2 5 1	**1 4 8**	**3 8 9**

3. a.

7 6 9
– 2 3 8
5 3 1

books sold on last day

b. Sapna had 821 toffees

Sapna gave – 301 toffees

Sapna now had 520 toffees

4. a.

T	O
3	6
– 1	8
1	**8**

b.

T	O
9	2
– 3	9
5	**3**

c.

T	O
8	1
– 5	8
2	**3**

d.

T	O
7	0
– 3	6
3	**4**

e.

T	O
6	3
– 4	7
1	**6**

Exercise 4.2

Subtract mentally by breaking the second number into tens and ones :

a. 89 – 26 = 63

89 – 20 – 6

69 – 6 = 63

b. 56 – 35 = 21

56 – 30 – 5

26 – 5 = 21

c. 75 – 51 = 24

75 – 50 – 1

25 – 1 = 24

Exercise 4.3

Fill in the blanks :

a. 6385 – 1 = **6384** b. 6809 – 100 = **6709** c. 7772 – 1 = **7771**

d. 4963 – 100 = **4863** e. 6781 – 10 = **6771** f. 4869– 100 = **4769**

Exercise 4.4

1. a.

Th	H	T	O
5	4	6	3
– 1	0	2	3
4	**4**	**4**	**0**

b.

Th	H	T	O
4	5	8	2
– 2	4	6	1
2	**1**	**2**	**1**

c.

Th	H	T	O
6	5	9	0
– 2	3	6	0
4	**2**	**3**	**0**

2. a.

Th	H	T	O
7	5	0	8
– 3	1	0	5
4	**4**	**0**	**3**

b.

Th	H	T	O
2	6	8	9
– 1	4	3	8
1	**2**	**5**	**1**

c.

Th	H	T	O
7	0	5	5
– 1	0	2	0
6	**0**	**3**	**5**

d.

Th	H	T	O
2	6	8	9
– 2	4	1	3
0	**2**	**7**	**6**

e.

Th	H	T	O
5	4	9	0
– 3	3	6	0
2	**1**	**3**	**0**

f.

Th	H	T	O
9	8	1	7
– 8	7	0	4
1	**1**	**1**	**3**

3. a.

5	3	6	7
– 5	1	4	6
0	**2**	**2**	**1**

b.

3	6	8	5
– 2	1	4	3
1	**5**	**4**	**2**

c.

4	3	2	9
– 2	0	0	0
2	**3**	**2**	**9**

d.

4	8	9	5
– 3	2	7	4
1	**6**	**2**	**1**

e.

5	8	2	4
– 3	7	0	2
2	**1**	**2**	**2**

4. a.

7	4	2	9
– 4	2	1	9
3	**2**	**1**	**0**

b.

8	6	4	3
– 3	5	2	1
5	**1**	**2**	**2**

c.

9	6	3	8
– 8	5	3	7
1	**1**	**0**	**1**

d.

4	8	7	6
– 3	0	5	1
1	**8**	**2**	**5**

e.

8	6	5	3
	– 3	4	3
8	**3**	**1**	**0**

f.

9	7	3	4
– 5	4	3	2
4	**3**	**0**	**2**

5. a.

5	0	9	4
– 3	0	5	2
2	**0**	**4**	**2**

b.

9	1	8	6
– 8	0	7	5
1	**1**	**1**	**1**

c.

7	6	8	2
– 5	0	6	0
2	**6**	**2**	**2**

Exercise 4.5

Fill in the correct digits in the boxes :

a.
$$\begin{array}{r} 3\,2\,5\,7 \\ -\,1\,1\,4\,5 \\ \hline \mathbf{2\,1\,1\,2} \end{array}$$

b.
$$\begin{array}{r} 7\,6\,4\,9 \\ -\,6\,5\,2\,9 \\ \hline \mathbf{1\,1\,2\,0} \end{array}$$

c.
$$\begin{array}{r} 6\,9\,4\,7 \\ -\,1\,4\,2\,1 \\ \hline \mathbf{5\,5\,2\,6} \end{array}$$

d.
$$\begin{array}{r} 7\,9\,5\,6 \\ -\,0\,4\,3\,0 \\ \hline \mathbf{7\,5\,2\,6} \end{array}$$

Exercise 4.6

1. a.
$$\begin{array}{r} \mathbf{Th\ H\ T\ O} \\ 5\ 0\ 7\ 3 \\ -\,4\ 1\ 7\ 5 \\ \hline \mathbf{0\ 8\ 9\ 8} \end{array}$$

b.
$$\begin{array}{r} \mathbf{Th\ H\ T\ O} \\ 8\ 7\ 0\ 5 \\ -\,2\ 2\ 0\ 9 \\ \hline \mathbf{6\ 4\ 9\ 6} \end{array}$$

c.
$$\begin{array}{r} \mathbf{Th\ H\ T\ O} \\ 7\ 9\ 8\ 6 \\ -\,5\ 7\ 6\ 8 \\ \hline \mathbf{2\ 2\ 1\ 8} \end{array}$$

d.
$$\begin{array}{r} \mathbf{Th\ H\ T\ O} \\ 9\ 7\ 8\ 6 \\ -\,8\ 8\ 6\ 7 \\ \hline \mathbf{0\ 9\ 1\ 9} \end{array}$$

e.
$$\begin{array}{r} \mathbf{Th\ H\ T\ O} \\ 6\ 2\ 7\ 2 \\ -\,2\ 5\ 0\ 5 \\ \hline \mathbf{3\ 7\ 6\ 7} \end{array}$$

f.
$$\begin{array}{r} \mathbf{Th\ H\ T\ O} \\ 7\ 4\ 7\ 9 \\ -\,6\ 0\ 9\ 0 \\ \hline \mathbf{1\ 3\ 8\ 9} \end{array}$$

g.
$$\begin{array}{r} \mathbf{Th\ H\ T\ O} \\ 9\ 7\ 8\ 6 \\ -\,8\ 8\ 9\ 4 \\ \hline \mathbf{0\ 8\ 9\ 2} \end{array}$$

h.
$$\begin{array}{r} \mathbf{Th\ H\ T\ O} \\ 4\ 3\ 7\ 2 \\ -\,2\ 5\ 0\ 5 \\ \hline \mathbf{1\ 8\ 6\ 7} \end{array}$$

i.
$$\begin{array}{r} \mathbf{Th\ H\ T\ O} \\ 7\ 5\ 7\ 3 \\ -\,3\ 0\ 2\ 5 \\ \hline \mathbf{4\ 5\ 4\ 8} \end{array}$$

2. a.
$$\begin{array}{r} 3\,1\,0\,4 \\ -\,1\,2\,7\,5 \\ \hline \mathbf{1\,8\,2\,9} \end{array}$$

b.
$$\begin{array}{r} 4\,0\,0\,8 \\ -\,2\,1\,2\,9 \\ \hline \mathbf{1\,8\,7\,9} \end{array}$$

c.
$$\begin{array}{r} 6\,2\,2\,0 \\ -\,4\,0\,4\,6 \\ \hline \mathbf{2\,1\,7\,4} \end{array}$$

d.
$$\begin{array}{r} 9\,5\,0\,0 \\ -\,6\,0\,75 \\ \hline \mathbf{3\,4\,2\,5} \end{array}$$

e.
$$\begin{array}{r} 9\,0\,4\,7 \\ -\,5\,2\,8\,3 \\ \hline \mathbf{3\,7\,6\,4} \end{array}$$

f.
$$\begin{array}{r} 3\,2\,5\,7 \\ -\,1\,8\,2\,4 \\ \hline \mathbf{1\,4\,3\,3} \end{array}$$

3. a.
$$\begin{array}{r} 3\,8\,9\,6 \\ -\,2\,5\,0\,9 \\ \hline \mathbf{1\,3\,8\,7} \end{array}$$

b.
$$\begin{array}{r} 2\,7\,0\,8 \\ -\,1\,3\,0\,9 \\ \hline \mathbf{1\,3\,9\,9} \end{array}$$

c.
$$\begin{array}{r} 7\,0\,0\,0 \\ -\,4\,5\,8\,7 \\ \hline \mathbf{2\,4\,1\,3} \end{array}$$

d.
$$\begin{array}{r} 9\,0\,0\,1 \\ -\,5\,3\,8\,2 \\ \hline \mathbf{3\,6\,1\,9} \end{array}$$

Exercise 4.7

1. He has born in

$$\begin{array}{r} 2\,0\,0\,9 \\ -\,3\,9 \\ \hline \mathbf{1\,9\,7\,0} \end{array}$$

2. Total cards 2950
sent cards – 1997
Cards not used 933

3. Total students 975
Girls – 398
Boys 577

4. Population 2784
Weavers – 1238
Farmers 1546

5. Box can hold 600 apples
already in box – 270
can be put 330 apples

6. Total pencils 9460
Packet pencils – 8406
Unpacket 1054

7. Ravi had ₹ 9000
bought T.V. – ₹ 8918
money left ₹ 0082

8. Greatest 4 digit number 9999
Smallest 3 digit number – 1000
Difference 9899

9. Sum of two numbers 5098
one of two numbers – 3515
other number 1883

10.
$$\begin{array}{r} 7000 \\ -\ 5107 \\ \hline \mathbf{1893} \end{array}$$
∴ 1893 should beadded to 5107 to make it 7000

11.
$$\begin{array}{r} 9287 \\ -\ 7590 \\ \hline \mathbf{1697} \end{array}$$
∴ 9287 greater than 7590 by 1697

Exercise 4.8

1. a. 3000 – 3000 = 0
b. 2000 – 0 = 2000
c. 1000 – 0 = 1000 + 0
d. 4000 + 0 = 4000 – 0 = 4000
e. 8000 – 1 = 7999
f. 3650 + 1 = 3651
g. 3000 – 1000 = 2000 + 0
h. 5000 – 5000 = 0

2. a. 1000 + 100 + 0 = 1000 + 100 – 0 (✓)
b. 6500 – 6500 = 0 (✓)
c. 8500 – 0 = 0 (✗)
d. 900 + 100 = 1000 – 0 (✗)

Exercise 4.9

1. a.
$$\begin{array}{r} 684 \\ +\ 385 \\ \hline \mathbf{1069} \end{array} \qquad \begin{array}{r} 1069 \\ -\ 299 \\ \hline \mathbf{770} \end{array}$$

b.
$$\begin{array}{r} 6481 \\ -\ 2444 \\ \hline \mathbf{4037} \end{array} \qquad \begin{array}{r} 4037 \\ -\ 3011 \\ \hline \mathbf{1026} \end{array}$$

c.
$$\begin{array}{r} 7413 \\ -\ 2312 \\ \hline \mathbf{5101} \end{array} \qquad \begin{array}{r} 5101 \\ +\ 784 \\ \hline 5885 \end{array}$$

d.
$$\begin{array}{r} 5711 \\ +\ 3334 \\ \hline \mathbf{9045} \end{array} \qquad \begin{array}{r} 9045 \\ -\ 8423 \\ \hline \mathbf{622} \end{array}$$

2. a.
$$\begin{array}{r} 3186 \\ -\ 1345 \\ \hline \mathbf{1841} \end{array}$$
Check
$$\begin{array}{r} 1841 \\ +\ 1345 \\ \hline \mathbf{3186} \end{array}$$

b.
$$\begin{array}{r} 4573 \\ -\ 2486 \\ \hline \mathbf{2087} \end{array}$$
Check
$$\begin{array}{r} 2087 \\ +\ 2486 \\ \hline \mathbf{4573} \end{array}$$

c. 5 3 1 0 − 1 8 4 0 = **3 4 7 0**

Check 3 4 7 0 + 1 8 4 0 = **5 3 1 0**

d. 2 1 4 3 − 1 3 8 2 = **0 7 6 1**

Check 0 7 6 1 + 1 3 8 2 = **2 1 4 3**

e. 7 8 1 5 − 2 3 1 8 = **5 4 9 7**

Check 5 4 9 7 + 2 3 1 8 = **7 8 1 5**

f. 8 1 8 8 − 6 1 8 3 = **2 0 0 5**

Check 2 0 0 5 + 6 1 8 3 = **8 1 8 8**

g. 9 0 5 6 − 4 8 6 0 = **4 1 9 6**

Check 4 1 9 6 + 4 8 6 0 = **9 0 5 6**

h. 6 1 2 8 − 4 3 9 8 = **1 7 3 0**

Check 1 7 3 0 + 4 3 9 8 = **6 1 2 8**

Exercise 4.10

1. a. 3825 + 1888 − 900

3 8 2 5 + 1 8 8 8 = **5 7 1 3**

5 7 1 3 − 9 0 0 = **4 8 1 3**

b. (5318 + 1011) − 3133

5 3 1 8 + 1 0 1 1 = **6 3 2 9**

6 3 2 9 − 3 1 3 3 = **3 1 9 6**

c. 7618 − 1000 + 2000

7 6 1 8 − 1 0 0 0 = **6 6 1 8**

6 6 1 8 − 2 0 0 0 = **8 6 1 8**

d. (4310 + 520) − 2100

4 3 1 0 + 5 2 0 = **4 8 3 0**

4 8 3 0 − 2 1 0 0 = **2 7 3 0**

e. 7154 − 3938 + 1000

7 1 5 4 − 3 9 3 8 = **3 2 1 6**

3 2 1 6 − 1 0 0 0 = **4 2 1 6**

f. (8976 + 5100) + 1000

8 9 7 6 + 5 1 0 0 = **1 4 0 7 6**

1 4 0 7 6 + 1 0 0 0 = **1 5 0 7 6**

g. 8188 + 560 − 3186

8 1 8 8 + 5 6 0 = **8 7 4 8**

8 7 4 8 − 3 1 8 6 = **5 5 6 2**

h. (7188 − 3188) + 870

7 1 8 8 − 3 1 8 8 = **4 0 0 0**

4 0 0 0 + 8 7 0 = **4 8 7 0**

i. (3210 + 5780) − 4000

3 2 1 0 + 5 7 8 0 = **8 9 9 0**

8 9 9 0 − 4 0 0 0 = **4 9 9 0**

j. 999 − (237 + 450)

2 3 7 + 4 5 0 = **6 8 7**

9 9 9 − 6 8 7 = **3 1 2**

k. (6318+ 3000) − (7816 + 345)

6 3 1 8 + 3 0 0 0 = **9 3 1 8**

7 8 1 6 + 3 4 5 = **8 1 6 1**

9 3 1 8 − 8 1 6 1 = **0 1 5 7**

(l) Men 5000
Men employed – 3156
Men unemployed 1844

(m) Books ₹ 778
note books + ₹ 379
₹ 1157
given ₹ 1500
spend ₹ 1157
receive ₹ 343

(n) Ankur had ₹ 5437
taken wan + ₹ 2500
₹ 7937
cost of machine ₹ 8999
Ankur had + ₹ 7937
₹ 1062

2. a. People saw on Saturday 5621
People saw on mid week + 3246
Total people 8867

b. Total water tanks 2000
full water tanks – 894
empty 1106

c. boys 2490
girls + 2740
student 5230
∴ girls was wrong by 1000

d. Total seats 4940
occupied – 2090
empty seats 2850

e. 8 9 2 1 – 6 7 4 5 = **2 1 7 6**

2 1 7 6 – 1 1 7 6 = **1 0 0 0**

Exercise 4.11

1. a.

Th	H	T	O
3	2	5	7
– 1	1	4	5
2	1	1	2

b.

Th	H	T	O
7	6	4	9
– 6	5	2	9
1	1	2	0

c.

Th	H	T	O
6	6	5	7
– 1	4	2	1
5	2	3	6

d.

Th	H	T	O
7	9	5	6
– 0	4	3	0
7	5	2	6

MCQ's

Tick (✓) the correct choice

1. b 2. b 3. b 4. a 5. a

Time To Fun

1. a. 2. b. 3. c. 4. e
5. g. 6. d 7. h. 8. f.

5 Multiplication

1. a. $4 + 4 + 4 + 4 = 16$, $4 \times 4 = 16$

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

2. b. $\mathbf{3 \times 3} = 3 + 3 + 3 = \mathbf{9}$

c. $5 \times 9 = \mathbf{5 + 5 + 5 + 5 + 5 + 5 + 5 + 5 + 5} = \mathbf{45}$

d. $6 \times 2 = \mathbf{6 + 6} = \mathbf{12}$

e. $\mathbf{7 \times 7} = 7 + 7 + 7 + 7 + 7 + 7 + 7 = \mathbf{49}$

3. a.

T	O
	7
×	3
2	1

b.

T	O
	8
×	2
1	6

c.

T	O
2	3
×	4
9	2

d.

T	O
1	3
×	5
6	5

Exercise 5.2

a. $256 \times 1 = \mathbf{256}$

b. $25 \times 18 \times \mathbf{13} = 13 \times 25 \times 18$

c. $664 \times \mathbf{1} = 664$

d. $987 \times 0 = \mathbf{0}$

e. $900 \times \mathbf{0} = 0$

f. $82 \times \mathbf{6} \times 42 = 6 \times 42 \times \mathbf{82}$

g. $7 \times 4 = \mathbf{4} \times 7$

h. $100 \times 5 = \mathbf{5} \times 100$

Exercise 5.3

1. a.

H	T	O
3	4	4
×		2
6	8	8

b.

H	T	O
2	0	2
×		4
8	0	8

c.

H	T	O
3	3	3
×		3
9	9	9

d.

H	T	O
3	4	2
×		2
6	8	4

2. a.

Th	H	T	O
	◯	(3)	◯
	3	1	9
×			4
1	2	7	6

b.

Th	H	T	O
	(4)	(5)	◯
	9	6	8
×			7
6	7	7	6

c.

Th	H	T	O
	◯	(3)	◯
	5	1	6
×			5
2	5	8	0

d.

Th	H	T	O
	(4)	(4)	◯
	6	5	5
×			8
5	2	4	0

3. a.

H	T	O
1	2	3
×		3
3	6	9

b.

H	T	O
2	0	4
×		2
4	0	8

c.

H	T	O
1	1	2
×		3
3	3	6

d.

H	T	O
1	1	1
×		5
5	5	5

e.

Th	H	T	O
	◯	(1)	◯
	6	2	5
×			3
1	8	7	5

f.

Th	H	T	O
	◯	(2)	◯
	3	1	5
×			5
1	5	7	5

g.

Th	H	T	O
	(1)	(1)	◯
	1	6	8
×			2
	3	3	6

h.

Th	H	T	O
	(1)	(2)	◯
	4	2	7
×			4
1	7	0	8

Exercise 5.4

1. a.

Th	H	T	O
2	3	1	3
×			3
6	9	3	9

b.

Th	H	T	O
1	0	3	2
×			2
2	0	6	4

c.

Th	H	T	O
2	4	1	3
×			1
2	4	1	3

d.

Th	H	T	O
1	2	4	3
×			2
2	4	8	6

2. a.

Th	H	T	O
(2)	(1)	(2)	( )
2	7	5	9
×			3
8	2	7	7

b.

Th	H	T	O
(1)	(1)	(1)	( )
1	7	9	8
×			2
3	5	9	6

c.

Th	H	T	O
(2)	(2)	(2)	( )
1	9	7	8
×			3
5	9	3	4

d.

Th	H	T	O
(2)	(2)	(4)	( )
1	3	4	7
×			6
8	0	8	2

3. a.

Th	H	T	O
2	2	2	2
×			3
6	6	6	6

b.

Th	H	T	O
1	2	1	4
×			2
2	4	2	8

c.

Th	H	T	O
( )	(5)	(4)	( )
1	0	8	7
×			6
6	5	2	2

d.

Th	H	T	O
(2)	(2)	( )	( )
2	7	8	2
×			3
8	3	4	6

e.

Th	H	T	O
(3)	(3)	(1)	( )
1	6	7	2
×			5
8	3	6	0

f.

Th	H	T	O
( )	( )	(1)	( )
3	0	1	8
×			2
6	0	3	6

Exercise 5.5

1. Do it yourself.

2. a. 18 × 7 = **126** b. 16 × 4 = **80** c. 19 × 8 = **152**
d. 7 × 15 = **105** e. 13 × 4 = **52** f. 15 × 9 = **135**
g. 12 × 8 = **96** h. 5 × 12 = **60** i. 3 × 19 = **57**
j. 6 × 18 = **106** k. 17 × 3 = **51** l. 9 × 16 = **144**

Exercise 5.6

1. a. 17 × 10 = **170** b. 19 × **100** = 1900 c. 43 × 100 = **4300**
d. 2 × 1000 = **2000** e. 35 × **10** = 350 f. 8 × **100** = 800

2. a. 6 × 20 = **120** b. 3 × 30 = **90** c. 12 × 50 = **600**
d. 25 × 600 = **15000** e. 45 × 400 = **18000** f. 65 × 700 = **45500**

Exercise 5.7

1. a.

H	T	O
	(1)	( )
	2	6
×	1	2
	5	2
+ 2	6	×
3	1	2

b.

H	T	O
	(3)	( )
	1	6
×	1	5
	8	0
+ 1	6	×
2	4	0

c.

H	T	O
	(1)	( )
	5	4
×	1	3
1	6	2
+ 5	4	×
7	0	2

d.

H	T	O
	(7)	( )
	4	9
×	3	8
3	9	2
+ 1	4	7 ×
1	8	6 2

2. a.

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

b.

H	T	O
	4	8
×	1	7
3	3	6
+ 4	8	×
8	1	6

c.

Th	H	T	O
		6	9
	×	2	6
	4	1	4
+1	6	8	×
1	7	9	4

d.

Th	H	T	O
		8	5
	×	1	9
	7	6	5
+	8	5	×
1	6	1	5

e.

Th	H	T	O
		9	2
	×	3	7
	6	4	4
+2	7	6	×
3	4	0	4

f.

Th	H	T	O
		3	5
	×	7	4
	1	4	0
+2	4	5	×
2	5	9	0

g.

Th	H	T	O
		6	7
	×	5	6
	4	0	2
+3	3	5	×
3	7	5	2

h.

Th	H	T	O
		7	5
	×	5	8
	6	0	0
+3	7	5	×
4	3	5	0

i.

Th	H	T	O
		5	9
	×	3	7
	4	1	3
+1	7	7	×
2	1	8	3

Exercise 5.8

1. a.

Th	H	T	O
	2	4	5
	×	1	6
1	4	7	0
+2	4	5	×
3	9	2	0

b.

Th	H	T	O
	4	6	5
	×	2	1
	4	6	5
+9	3	0	×
9	7	6	5

c.

Th	H	T	O
	3	1	9
	×	1	5
1	5	9	5
+3	1	9	×
4	7	8	5

d.

Th	H	T	O
	1	8	4
	×	2	6
1	1	0	4
+3	6	8	×
4	7	8	4

2. a.

Th	H	T	O
	6	3	4
	×	1	5
3	1	7	0
+6	3	4	×
9	5	1	0

b.

Th	H	T	O
	3	7	2
	×	2	6
2	2	3	2
+7	4	4	×
9	6	7	2

c.

Th	H	T	O
	7	6	3
	×	1	2
1	5	2	6
+7	6	3	×
9	1	5	6

d.

Th	H	T	O
	1	8	4
	×	3	7
1	2	8	8
+5	5	2	×
6	8	0	8

e.

Th	H	T	O
	3	7	2
	×	1	8
2	9	7	6
+3	7	2	×
6	6	9	6

f.

Th	H	T	O
	8	1	2
	×	1	1
	8	1	2
+8	1	2	×
8	9	3	2

Exercise 5.9

1. Number of trees in a forest = 212

Number of birds live on each tree = 7

Th	H	T	O
	2	1	2
×			7
1	4	8	4

Number of birds live all trees $= 212 \times 7 = 1484$

Thus, there are 1484 bird in all trees.

2. Shopkeeper earn daily $= ₹\ 1250$

Number of days $= 8$ days

Shopkeeper earn in 8 days $= 1250 \times 8$

$= ₹\ 10000$

	Th	H	T	O
₹	1	2	5	0
			×	8
₹	1	0	0	0

$\therefore$ Thus, shopkeeper earn ₹ 10000 in 8 days.

3. Number of people can sit in a bus $= 48$

Number of people can sit in 76 buses $= 48 \times 76$

$= 3648$

Thus, 3648 people can sit in 76 buses.

Th	H	T	O
		4	8
	×	7	6
	2	8	8
+ 3	3	6	×
3	6	4	8

4. Number of pages a newspaper have $= 28 = 45$

Newspaper collected by Vijay in 45 days $= 45 \times 28$

$\therefore$ Pages taken by Vijay $= 1260$

Thus, Vijay has 1260 pages.

Th	H	T	O
		2	8
	×	4	5
	1	4	0
+ 1	1	2	×
1	2	6	0

5. Number of boxes $= 242$

Number of apples in each boxes $= 15$

Number of apples in all boxes $= 242 \times 15$

$= 3630$

Thus, there are 3630 apples in 242 boxes.

Th	H	T	O
	2	4	2
	×	1	5
1	2	1	0
+ 2	4	2	×
3	6	3	0

6. Number of bags of rice in a track $= 257$

Rice in each bag $= 32$ kg

Rice in all bags $= 257 \times 32$ kg

$= 8224$ kg

Thus, 8224 kg weight of rice in 257 bags.

Th	H	T	O
	2	5	7
	×	3	2
	5	1	4
+ 7	7	1	×
8	2	2	4

MCQ's

1. a **2.**b **3.** a **4.** b

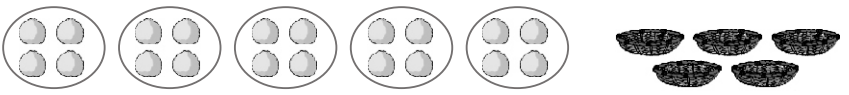
Time to Fun

1. ⟶ (d) **2.** ⟶ (e) **3.** ⟶ (f) **4.** ⟶ (c) **5.** ⟶ (a) **6.** ⟶ (b)

6 Division

Exericse 6.1

1. Here are 20 oranges. Put an equal number of oranges in each of the 5 baskets :

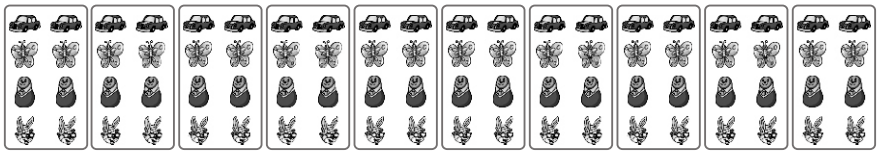


There will be 4 oranges in each basket.

2. Here are 24 candles. Put an equal number of candles on each cake :

There will be 4 candles on each cake.

3.

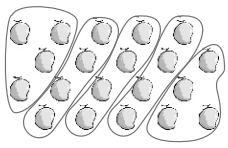


80 ÷ 10 = 8 Each child got 8 strickers.

4. a.

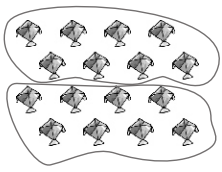
18 ÷ 6 = 3

b.



20 ÷ 4 = 5

c.



16 ÷ 2 = 8

d.

15 ÷ 3 = 5

5. a. 6 from 12 ? b. 8 from 24. c. 4 from 12 ? d. 6 from 18?

1 2	2 4	1 2	1 8
– 6	– 8	– 4	– 6
6	1 6	8	1 2
– 6	– 8	– 4	– 6
0	8	4	6
2	– 8	– 4	– 6
	0	**0**	**0**

or 12 ÷ 6 = 2 or 24 ÷ 8 = 3 or 12 ÷ 4 = 3 or 18 ÷ 6 =3

6. a. 18 ÷ 3 = 6 b. 30 ÷ 5 = 6 c. 15 ÷ 5 = 3
d. 32 ÷ 4 = 8 e. 20 ÷ 4 = 5

Exercise-6.2

a. Quotient b. Quotient c. Dividend
d. Dividend e. Divisor f. Quotient
g. Divisor h. Dividend i. Divisor

Exercise-6.3

1. a. 7 × 8 = 56 56 ÷ 8 = 7 56 ÷ 7 = 8

b. $10 \times 2 = 20$ $20 \div 2 = 10$ $20 \div 10 = 2$
c. $5 \times 6 = 30$ $30 \div 6 = 5$ $30 \div 5 = 6$
d. $8 \times 2 = 16$ $16 \div 8 = 2$ $16 \div 2 = 8$
e. $6 \times 7 = 42$ $42 \div 6 = 7$ $42 \div 7 = 6$
f. $6 \times 3 = 18$ $18 \div 6 = 3$ $18 \div 3 = 6$
g. $9 \times 4 = 36$ $36 \div 9 = 4$ $36 \div 4 = 9$

2. a. If $7 \times 3 = 21$, then $21 \div 3 = 7$ b. If $8 \times 5 = 40$, then $40 \div 5 = 8$
c. If $10 \times 6 = 60$, then $60 \div 6 = 10$ d. If $7 \times 4 = 28$, then $28 \div 4 = 7$

3. a. $32 \div 8 = 4$ b. $45 \div 9 = 5$ c. $90 \div 10 = 9$
d. $36 \div 4 = 9$ e. $15 \div 3 = 5$ f. $72 \div 8 = 9$

Exercise 6.4

a. $8 \div 1 = 8$ b. $0 \div 10 = 0$ c. $2 \div 2 = 1$
d. $50 \div 1 = 1$ e. $0 \div 98 = 0$

Exercise-6.5

Fill in the boxes :

a. $82 \div 2$

$$2\overline{)82}\,(41$$
$$-8$$
$$02$$
$$2$$
$$0$$

$\therefore$ $82 \div 2 = 41$

b. $48 \div 4$

$$4\overline{)48}\,(12$$
$$-4$$
$$08$$
$$8$$
$$0$$

$\therefore$ $48 \div 4 = 12$

c. $93 \div 3$

$$3\overline{)93}\,(31$$
$$-9$$
$$03$$
$$3$$
$$0$$

$\therefore$ $93 \div 3 = 31$

d. $66 \div 3$

$$3\overline{)66}\,(22$$
$$-6$$
$$06$$
$$6$$
$$0$$

$\therefore$ $66 \div 3 = 31$

e. $80 \div 2$

$$2\overline{)80}\,(40$$
$$-8$$
$$00$$
$$00$$
$$0$$

$\therefore$ $80 \div 2 = 40$

f. $96 \div 3$

$$3\overline{)96}\,(32$$
$$-9$$
$$06$$
$$6$$
$$0$$

$\therefore$ $96 \div 3 = 32$

g. $68 \div 2$

$$2\overline{)68}\,(34$$
$$-6$$
$$08$$
$$8$$
$$0$$

$\therefore$ $68 \div 2 = 34$

h. $99 \div 3$

$$3\overline{)99}\,(33$$
$$-9$$
$$09$$
$$09$$
$$0$$

$\therefore$ $99 \div 3 = 33$

i. $77 \div 7$

$$7\overline{)77}\,(11$$
$$-7$$
$$07$$
$$7$$
$$0$$

$\therefore$ $77 \div 7 = 11$

j. $69 \div 3$

$$3\overline{)69}\,(34$$
$$-6$$
$$09$$
$$09$$
$$0$$

$\therefore$ $69 \div 3 = 34$

k. $88 \div 8$

$$8\overline{)88}\,(11$$
$$-8$$
$$08$$
$$08$$
$$0$$

$\therefore$ $88 \div 8 = 11$

l. $99 \div 9$

$$9\overline{)99}\,(11$$
$$-9$$
$$09$$
$$09$$
$$0$$

$\therefore$ $99 \div 9 = 11$

Exercise-6.6

a. $505 \div 5$

$$5\overline{)505}\,(101$$
$$-5$$
$$005$$
$$05$$
$$0$$

$\therefore$ $505 \div 5 = 101$

b. $268 \div 2$

$$2\overline{)268}\,(134$$
$$-2$$
$$06$$
$$06$$
$$08$$
$$08$$
$$0$$

$\therefore$ $268 \div 2 = 134$

c. $666 \div 6$

$$6\overline{)666}\,(111$$
$$-6$$
$$06$$
$$06$$
$$06$$
$$06$$
$$0$$

$\therefore$ $666 \div 6 = 111$

d. $488 \div 2$

$$2\overline{)488}\,(244$$
$$-4$$
$$08$$
$$08$$
$$08$$
$$08$$
$$0$$

$\therefore$ $488 \div 2 = 244$

e. $844 \div 2$

$$4\overline{)844}\,(211$$
$$-8$$
$$04$$
$$04$$
$$04$$
$$04$$
$$0$$

$\therefore$ $844 \div 2 = 422$

f. $660 \div 3$

$$3\overline{)660}\,(220$$
$$-6$$
$$06$$
$$06$$
$$00$$
$$00$$
$$0$$

$\therefore$ $660 \div 3 = 220$

g. $600 \div 6$

$$6\overline{)600}\,(100$$
$$-6$$
$$00$$
$$00$$
$$00$$
$$00$$
$$0$$

$\therefore$ $600 \div 6 = 100$

h. $286 \div 2$

$$2\overline{)286}\,(143$$
$$-2$$
$$08$$
$$08$$
$$06$$
$$06$$
$$0$$

$\therefore$ $286 \div 2 = 143$

i. $999 \div 3$

$$3\overline{)999}\,(333$$
$$-9$$
$$09$$
$$09$$
$$09$$
$$09$$
$$0$$

$\therefore$ $999 \div 3 = 333$

j. $909 \div 9$

$$9\overline{)909}\,(101$$
$$-9$$
$$009$$
$$009$$
$$9$$

$\therefore$ $909 \div 9 = 101$

Exercise-6.7

1. a.

$$7\overline{)58}\,(8$$
$$-56$$
$$2$$

Quotient = 8
Remainder = 2

b.

$$4\overline{)27}\,(6$$
$$-24$$
$$3$$

Quotient = 6
Remainder = 3

Check :

Dividend = Divisor ×Q + R

58 = 7 × 8 + 2

= 56 + 2

58 = 58

Check :

Dividend = Divisor ×Q + R

27 = 4 × 6 + 3

= 24 + 3

27 = 27

c. 5) 47 (9

– 45

2

Quotient = 9

Remainder = 2

Check :

Dividend = Divisor ×Q + R

47 = 5 × 9 + 2

= 45 + 2

47 = 47

d. 6) 69 (11

– 6

09

– 6

3

Quotient = 11

Remakeâinder = 3

Check :

Dividend = Divisor ×Q + R

69 = 6 × 11 + 3

= 66 + 3

69 = 69

e. 2) 87 (43

– 8

07

– 6

1

Quotient = 43

Remainder = 1

Check :

Dividend = Divisor ×Q + R

87 = 2 × 43 + 1

= 86 + 1

87 = 87

f. 3) 605 (201

– 6

05

– 3

2

Quotient = 201

Remainder = 2

Check :

Dividend = Divisor ×Q + R

605 = 3 × 201 + 2

= 603 + 2

605 = 605

g. 7) 791 (113

– 7

9

– 7

21

– 21

0

Quotient =113

Remainder = 0

Check :

Dividend = Divisor ×Q + R

791 = 7 × 113 + 0

= 791 + 0

791 =791

h. 4) 405 (101

– 4

05

– 4

1

Quotient = 101

Remainder = 1

Check :

Dividend = Divisor ×Q + R

405 = 4 × 101 + 2

= 404 + 1

405 = 405

i. $3\overline{)334}(111$

-3

03

-3

04

-3

1

Quotient =111

Remainder = 1

Check :

Dividend = Divisor ×Q + R

334 = 3 × 111 + 1

= 333 + 1

334 = 334

j. $8\overline{)896}(112$

-8

09

-8

16

-16

0

Quotient = 112

Remainder = 0

Check :

Dividend = Divisor ×Q + R

896 = 8 × 118 + 0

= 896 + 0

896 = 896

k. $7\overline{)773}(110$

-7

07

-7

3

Quotient =110

Remainder = 3

Check :

Dividend = Divisor ×Q + R

773 = 7 × 110 + 3

= 770 + 3

773 = 773

l. $4\overline{)849}(212$

-8

04

-4

9

-8

1

Quotient = 212

Remainder = 1

Check :

Dividend = Divisor ×Q + R

849 = 4 × 212 + 1

=848 + 1

849 = 849

m. $3\overline{)907}(302$

-9

07

-6

1

Quotient =302

Remainder = 1

Check :

Dividend = Divisor ×Q + R

907 = 3 × 302 + 1

= 906 + 1

907 = 907

n. $2\overline{)663}(331$

-6

06

-6

3

-2

1

Quotient = 331

Remainder = 1

Check :

Dividend = Divisor ×Q + R

663 = 2 × 331 + 1

= 662 + 1

663 = 663

o. $6\overline{)667}\,(111$

-6

06

-6

7

-6

1

Quotient =111

Remainder = 1

Check :

Dividend = Divisor ×Q + R

667 = 6 × 111 + 1 = 666 + 1

667 = 667

Exercise-6.8

1. a. 68 ÷ 4

$4\overline{)68}\,(17$

-4

28

-28

0

Quotient = 17

Remainder = 0

b. 80 ÷ 5

$5\overline{)80}\,(16$

-5

30

-30

0

Quotient = 16

Remainder = 0

c. 54 ÷ 3

$3\overline{)54}\,(18$

-3

24

-24

0

Quotient = 18

Remainder = 0

d. 56 ÷ 4

$4\overline{)56}\,(14$

-4

16

-16

0

Quotient = 14

Remainder = 0

e. 92 ÷ 2

$2\overline{)92}\,(46$

-8

12

-12

0

Quotient = 46

Remainder = 0

f. 65 ÷ 5

$5\overline{)65}\,(13$

-5

15

-15

0

Quotient = 13

Remainder = 0

g. 90 ÷ 5

$5\overline{)90}\,(18$

-5

40

-40

0

Quotient = 18

Remainder = 0

h. 57 ÷ 3

$3\overline{)57}\,(19$

-3

27

-27

0

Quotient = 19

Remainder = 0

i. 96 ÷ 4

$4\overline{)96}\,(24$

-8

16

-16

0

Quotient = 24

Remainder = 0

j. 76 ÷ 2

$2\overline{)76}\,(38$

-6

16

-16

0

k. 98÷ 7

$7\overline{)98}\,(14$

-7

28

-28

0

l. 96 ÷ 8

$8\overline{)96}\,(12$

-8

16

-16

0

Quotient = 38
Remainder = 0

Quotient = 14
Remainder = 0

Quotient = 12
Remainder = 0

Exercise-6.9

1. a. 372 ÷ 3

3) 372 (124
– 3
07
– 6
12
– 12
0

Quotient = 124
Remainder = 0

b. 896 ÷ 8

8) 896 (112
– 8
09
– 8
16
– 16
0

Quotient = 112
Remainder = 0

c. 234 ÷ 2

2) 234 (117
– 2
03
– 2
14
– 14
0

Quotient = 117
Remainder = 0

d. 952 ÷ 4

4) 952 (238
–8
15
–12
32
–32
0

Quotient = 238
Remainder = 0

e. 575 ÷ 5

5) 575 (115
–5
07
–5
25
–25
0

Quotient = 115
Remainder = 0

f. 490 ÷ 2

2) 490 (245
– 4
09
–8
10
–10
0

Quotient = 245
Remainder = 0

g. 684 ÷ 6

6) 684 (114
–6
08
–6
24
–24
0

Quotient = 114
Remainder = 0

h. 784 ÷ 7

7) 784 (112
–7
08
–7
14
–14
0

Quotient = 112
Remainder = 0

i. 826 ÷ 7

7) 826 (118
–7
12
–7
56
–56
0

Quotient = 118
Remainder = 0

j. 984 ÷ 8

8) 984 (123
–8
18
–16
24
–24
0

Quotient = 123
Remainder = 0

k. 927÷ 3

3) 927 (309
–9
27
–27
0

Quotient = 309
Remainder = 0

l. 680 ÷ 5

5) 680 (136
–5
18
–15
30
–30
0

Quotient = 136
Remainder = 0

Exercise-6.10

1. a. $80 \div 10$

$$\begin{array}{r|l} 10 & 80 \\ -80 & \\ \hline 0 & \end{array} \quad 8$$

Quotient = 8
Remainder = 0

b. $55 \div 10$

$$\begin{array}{r|l} 10 & 55 \\ -50 & \\ \hline 5 & \end{array} \quad 5$$

Quotient = 5
Remainder = 5

c. $43 \div 10$

$$\begin{array}{r|l} 10 & 43 \\ -40 & \\ \hline 3 & \end{array} \quad 4$$

Quotient = 4
Remainder = 3

d. $366 \div 10$

$$\begin{array}{r|l} 10 & 366 \\ -30 & \\ \hline 66 & \\ -60 & \\ \hline 6 & \end{array} \quad 36$$

Quotient = 36
Remainder = 6

e. $400 \div 10$

$$\begin{array}{r|l} 10 & 4000 \\ -40 & \\ \hline 0 & \end{array} \quad 40$$

Quotient = 40
Remainder = 0

f. $520 \div 10$

$$\begin{array}{r|l} 10 & 520 \\ -50 & \\ \hline 20 & \\ -20 & \\ \hline 0 & \end{array} \quad 52$$

Quotient = 52
Remainder = 0

g. $799 \div 10$

$$\begin{array}{r|l} 10 & 799 \\ -70 & \\ \hline 99 & \\ -90 & \\ \hline 9 & \end{array} \quad 79$$

Quotient = 79
Remainder = 9

h. $880 \div 10$

$$\begin{array}{r|l} 10 & 880 \\ -80 & \\ \hline 80 & \\ -80 & \\ \hline 0 & \end{array} \quad 88$$

Quotient = 88
Remainder = 0

i. $565 \div 10$

$$\begin{array}{r|l} 10 & 565 \\ -50 & \\ \hline 65 & \\ -60 & \\ \hline 5 & \end{array} \quad 56$$

Quotient = 56
Remainder = 5

j. $100 \div 10$

$$\begin{array}{r|l} 10 & 100 \\ -10 & \\ \hline 00 & \end{array} \quad 10$$

Quotient = 10; Remainder = 0

Exercise-5.11

1. a. Using 3 wheels we can make 1 tricycle
Using 93 wheels we can make 1 tricycle (93 ÷ 3) tricycle
Using 93 wheels we can make 1 tricycle 31 tricycle

$$\begin{array}{r|l} 3 & 93 \\ -9 & \\ \hline 3 & \\ -3 & \\ \hline 0 & \end{array} \quad 31$$

b. For 5 candles 1 box is needed
" 60 " (60 ÷ 5) box is needed
" " " 12 boxes is needed

$$\begin{array}{r|l} 5 & 60 \\ -5 & \\ \hline 10 & \\ -10 & \\ \hline 0 & \end{array} \quad 12$$

c. $882 \div 7$

$$7\overline{)882}\,(126$$
$$-7$$
$$18$$
$$-14$$
$$42$$
$$-42$$
$$0$$

d. Exercise book in each Rack $= 812 \div 7$
$= 116$

$$7\overline{)812}\,(116$$
$$-7$$
$$11$$
$$-7$$
$$42$$
$$-42$$
$$0$$

e. Each person will get $=$ ₹ $360 \div 4$
$=$ ₹ 90

$$4\overline{)360}\,(90$$
$$-36$$
$$0$$

f. Oranges in each box $= 672 \div 6$
$= 112$

$$4\overline{)672}\,(112$$
$$-6$$
$$7$$
$$-6$$
$$12$$
$$-12$$
$$0$$

g. Each truck can carry $= (615 \div 5)$ mangoes
$= 123$ mangoes

$$5\overline{)615}\,(123$$
$$-5$$
$$11$$
$$-10$$
$$15$$
$$-15$$
$$0$$

h. $332 \div 10$

$$10\overline{)332}\,(33$$
$$-30$$
$$32$$
$$-30$$
$$2$$

$\therefore$ 2 ear buds will be left

i. Students in each row $= 456 \div 6$
$= 76$

$$6\overline{)456}\,(76$$
$$-42$$
$$36$$
$$-36$$
$$0$$

j. players in each team = 144 ÷ 9
=16

$$\begin{array}{r|l} 9 & 144 \\ -9 & \\ \hline 54 & \\ -54 & \\ \hline 0 & \end{array} \quad 16$$

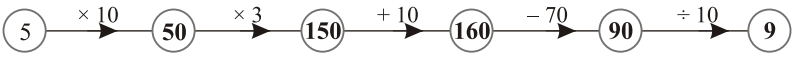
MCQ's

Tick (✓) the correct choice :

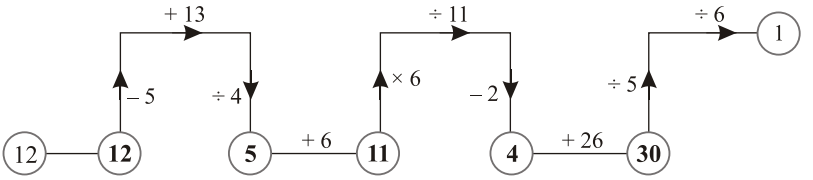
1. b 2. a 3. b 4. c

Mental Exercise

a.



b.



Time To Fun

Fill in the last two column :

Food items	Number of people who want it	Number that each will get	Number of food items left
10 	5	2	0
15 	7	**2**	**1**
24 	6	**4**	**0**
8 	3	**2**	**2**
25 	4	**6**	**1**
8 	8	**1**	**0**
20 	9	**2**	**2**

Solve :

1. a. 496 + 342 = **838** b. 881 + 104 = **777** c. 297 + 669 = **966**

2. a. 600 – 452 = **148** b. 710 – 239 = **471** c. 801 – 357 = **444**

3. a. 73 × 95 = **6935** b. 28 × 42 = **1176** c. 67 × 13 = **871**

Maths Lab Activity

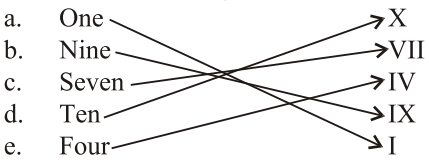
Record the Activity :

Length of rope	Cut into lengths	Number of peices
75 cm	5 cm	15
80 cm	8	10
110 cm	10	11
56 cm	7	8
100 cm	20	5

7 Roman Numerals

Exercise 7.1

1. Match the following :



2. Fill in the blanks :

a. **Roman number system** have no symbol for zero.

b. In Roman numerals, symbols **V**, **L** and **D** are never repeated.

c. In Roman numerals, symbols **I** , **X** and **C** can be repeated.

d. A symbol can be repeated a maximum of **3** times.

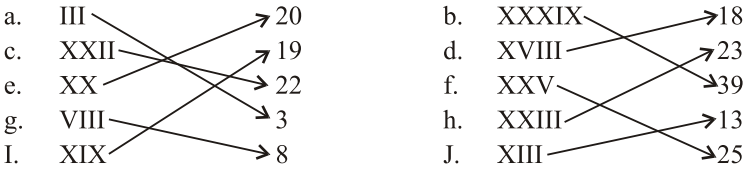
3. Fill in the blanks using Roman numerals :

a. V + **II** = VII b. X – I = **IX** c. II + **IV** = VI d. X – II = **VIII**

4. What comes before, after or between?

a. III [IV] V b. [X] XI c. [VI] VII d. IV [V]

5. Draw lines to match the following. One is done for you :

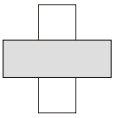
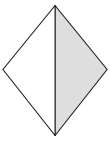


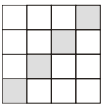
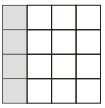
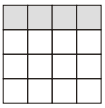
MCQ's

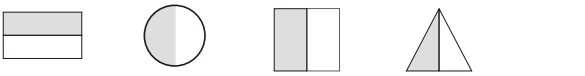
Tick (✓) the correct choice :

1. c 2. b 3. a 4. a

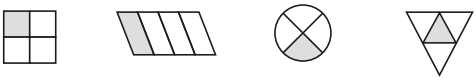
Exercise 8.1

1. a.  (✓) b.  (✗) c.  (✗) d.  (✓) e.  (✗) f.  (✓)

2. a.  b.  c. 

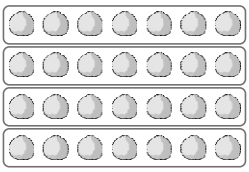
3. a. $\frac{1}{2}$ 

b. $\frac{1}{3}$ 

c. $\frac{1}{4}$ 

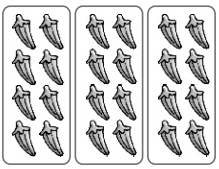
4. a. Two equal parts 

6 6

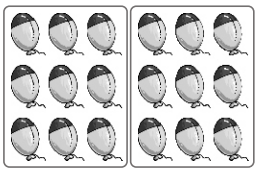
b. Four equal parts 

7 7

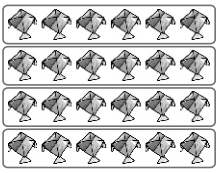
7 7

c. Three equal parts 

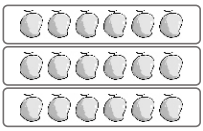
8 8 8

b. Two equal parts 

9 9

e. Four equal parts 

6 6 6 6

f. Three equal parts 

6 6 6

Exercise-8.2

1. a.  $\frac{4}{8}$ four eight

b.  $\frac{2}{4}$ two fourth

c.  $\frac{3}{8}$ three eights

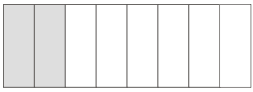
d.  $\frac{3}{4}$ three fourth

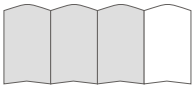
e.  $\frac{4}{4}$ a whole

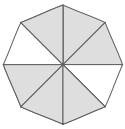
f.  $\frac{5}{8}$ five eight

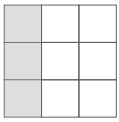
g.  $\frac{7}{8}$ seven eights

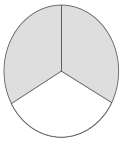
h.  $\frac{2}{8}$ two eights

2. a.  $\frac{6}{8}$

b.  $\frac{1}{4}$

c.  $\frac{2}{8}$

d.  $\frac{6}{9}$

e.  $\frac{1}{3}$

3. a. $\frac{4}{7}$ b. $\frac{3}{10}$ c. $\frac{1}{6}$ d. $\frac{2}{5}$ e. $\frac{5}{9}$ f. $\frac{7}{9}$

Exercise-8.3

1. a. Numerator = 1
Denominator = 5

b. Numerator = 7
Denominator = 10

b. Numerator = 9
Denominator = 15

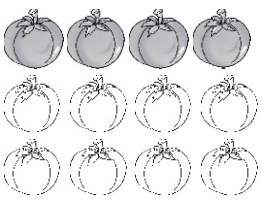
d. Numerator = 3
Denominator = 13

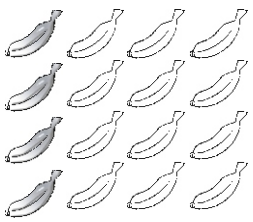
2. a. $\frac{7}{18}$ b. $\frac{3}{13}$ c. $\frac{2}{11}$ d. $\frac{7}{8}$

3. a. $\frac{\text{three}}{\text{fourth}}$ b. $\frac{\text{sixth}}{\text{eights}}$ c. $\frac{\text{four}}{\text{seventh}}$ d. $\frac{\text{two}}{\text{sixth}}$

4. a. $\frac{3}{5}$ b. $\frac{2}{7}$ c. $\frac{1}{4}$ d. $\frac{1}{6}$

Exercise-8.4

1. a. 

b. 

2. a. I divided my chocolate in three parts. I ate one part. What fraction did I eat?
$\frac{1}{3}$

b. My mother gave 4 biscuits to me and my sister. She told us to divide them equally between ourselves. We took $\frac{1}{2}$ of the total.

c. My sister filled a bucket with water. She took of the water. Now $\frac{1}{2}$ of the bucket is empty.

d. My brother ate one half of a banana and gave the other $\frac{1}{2}$ to me.

3. a. $\frac{1}{3}$ of $24 = 8$ b. $\frac{1}{5}$ of $30 = 6$ c. $\frac{1}{6}$ of $42 = 7$

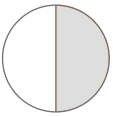
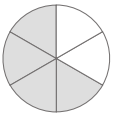
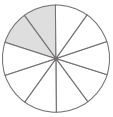
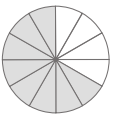
d. $\frac{1}{2}$ of $50 = 25$ e. $\frac{1}{7}$ of $49 = 7$ f. $\frac{1}{4}$ of $48 = 12$

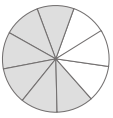
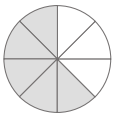
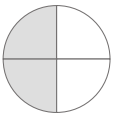
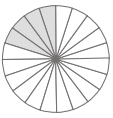
4. a. $\frac{1}{2} \times 18 = 9$

b. Ist flock = $\frac{3}{4} \times 60 = 3 \times 15 = 45$

IInd flock = $60 - 45 = 15$

Exercise 8.5

1. a.  $\frac{1}{2}$ b.  $\frac{4}{6}$ c.  $\frac{2}{10}$ d.  $\frac{8}{10}$

b.  $\frac{6}{9}$ c.  $\frac{5}{8}$ d.  $\frac{2}{4}$ e.  $\frac{4}{20}$

2. $\frac{2}{10}$ $\frac{4}{8}$ $\frac{7}{6}$ $\frac{5}{9}$ $\frac{1}{5}$ $\frac{3}{7}$ $\frac{4}{9}$ $\frac{2}{11}$ $\frac{1}{9}$ $\frac{7}{10}$

3. a. Like fraction
$\frac{1}{7}, \boxed{\frac{2}{7}}, \frac{3}{7}, \boxed{\frac{4}{7}}, \boxed{\frac{5}{7}}$

b. Unlike fraction
$\frac{2}{4}, \frac{4}{7}, \boxed{\frac{6}{9}}, \boxed{\frac{5}{6}}, \boxed{\frac{3}{8}}$

4. a. $\frac{2}{9}, \frac{3}{9}$ like b. $\frac{4}{5}, \frac{3}{4}$ unlike c. $\frac{2}{7}, \frac{4}{8}$ unlike d. $\frac{1}{6}, \frac{5}{6}$ like

5. a. $\frac{1}{4} = \frac{2}{8}$ b. $\frac{1}{3} = \frac{4}{12}$ c. $\frac{3}{5} = \frac{12}{20}$ d. $\frac{1}{4} = \frac{9}{36}$

7. a. $\frac{1}{5} = \frac{2}{10} = \frac{3}{15}$ b. $\frac{1}{6} = \frac{2}{12} = \frac{3}{18}$

a. $\frac{3}{5} = \frac{6}{10} = \frac{18}{30}$ b. $\frac{1}{10} = \frac{2}{20} = \frac{3}{20}$

Exercise-8.6

1. a. $\frac{3}{9} < \frac{5}{9}$ b. $\frac{2}{5} < \frac{3}{5}$ c. $\frac{1}{2} > \frac{1}{7}$

d. $\frac{9}{11} > \frac{9}{14}$ e. $\frac{5}{6} > \frac{2}{6}$ f. $\frac{4}{6} > \frac{4}{8}$

2.

	greatest	smallest	Greatest	smallest
a.	$\frac{1}{4}$	$\frac{1}{12}$	$\frac{6}{7}$	$\frac{2}{7}$
b.	$\frac{3}{4}$	$\frac{3}{16}$	$\frac{12}{15}$	$\frac{5}{15}$

3. a. $\frac{4}{12} < \frac{5}{12} < \frac{6}{12} < \frac{8}{12}$ b. $\frac{1}{5} < \frac{1}{4} < \frac{1}{3} < \frac{1}{2}$ c. $\frac{1}{5} < \frac{2}{5} < \frac{3}{5} < \frac{4}{5}$

4. a. $\frac{2}{3} > \frac{2}{4} > \frac{2}{5} > \frac{2}{7}$ b. $\frac{1}{2} > \frac{1}{5} > \frac{1}{6} > \frac{1}{7}$

MCQ's

Tick (✓) the correct choice :

1. c 2. b 3. a 4. a

9 Measurement

Exercise 9.1

a. The pencil box is as long as **7** clips.
b. The ruler is as long as **12** sharpners.
c. The crayon is as long as **4** eraser.

Exercise 9.2

1. a. $6\text{ m} = (6 \times 100)\text{ cm}$
$(\because\ 1\text{ m} = 100\text{ cm})$
$= 600\text{ cm}$

b. $20\text{ m }86\text{ cm} = (20 \times 100)\text{ cm} + 86\text{ cm}$
$(\because 1\text{ m} = 100\text{ cm})$
$= 2000\text{ cm} + 86\text{ cm}$
$= 2086\text{ cm}$

c. $15\text{ m }16\text{ cm}$
$= (15 \times 100)\text{ cm} + 16\text{ cm}$
$(\because 1\text{ m} = 100\text{ cm})$
$= 1500\text{ cm} + 16\text{ cm}$
$= 1516\text{ cm}$

d. $80\text{ m }80\text{ cm} = (80 \times 100\text{ cm} + 80\text{ cm})$
$(\because 1\text{ m} = 100\text{ cm})$
$= 8000\text{ cm} + 80\text{ cm}$
$= 8080\text{ cm}$

e. $16\text{ m }63\text{ cm}$
$= (16 \times 100)\text{ cm} + 63\text{ cm}$
$(\because 1\text{ m} = 100\text{ cm})$
$= 1600\text{ cm} + 63\text{ cm}$
$= 1663\text{ cm}$

f. $38\text{ m }40\text{ cm}$
$= (38 \times 100)\text{ cm} + 40\text{ cm}$
$(\because 1\text{ m} = 100\text{ cm})$
$= 3800\text{ cm} + 40\text{ cm}$
$= 3840\text{ cm}$

2. a. $8\text{ km} = (8\times 1000)\text{ m}$
$(\because 1\text{ km} = 1000\text{ m})$
$= 8000\text{ m}$

b. $5\text{ km } 180\text{ m}$
$= (5\times 1000)\text{ m} + 180\text{ m}$
$(\because 1\text{ km} = 100\text{ cm})$
$= 5180\text{ m}$

c. $700\text{ cm} = 700\times\frac{1}{100}\text{m}$
$\left(\because 1\text{cm} = \frac{1}{100}\text{ m}\right)$
$= 7\text{ m} = 5\text{ m}$

d. $500\text{ cm} = 500\times\frac{1}{100}\text{ m}$
$\left(\because 1\text{cm} = \frac{1}{100}\text{ m}\right)$

e. $2\text{ km } 86\text{ m}$
$= (2\times 1000)\text{ m} + 86\text{ m}$
$(\because 1\text{ km} = 1000\text{ m})$
$= 2000\text{ m} + 86\text{ m}$
$= 2086\text{ m}$

f. $4\text{ km } 670\text{ m}$
$= 4\times(1000)\text{ m} + 670\text{ m}$
$(\because 1\text{ km} = 1000\text{ m})$
$= 4000\text{ m} + 670\text{ m}$
$= 4670\text{ m}$

3. a. $1860\text{ cm} = 1800\text{ cm} + 60\text{ cm}$
$= (1800\div 100)\text{ cm} + 60\text{ cm}$
$\left(\because 1\text{cm} = \frac{1}{100}\text{ m}\right)$
$= 18\text{ m} + 60\text{ cm}$
$= 18\text{ m } 60\text{ cm}$

$$\begin{array}{r} 18 \\ 100\overline{)1860} \\ -100\downarrow \\ \hline 860 \\ -800 \\ \hline 60 \end{array}$$

b. $4290\text{ cm} = 4200\text{ cm} + 90\text{ cm}$
$= (4200\div 100)\text{ cm} + 90\text{ cm}$
$\left(\because 1\text{cm} = \frac{1}{100}\text{ m}\right)$
$= 42\text{ m} + 90\text{ cm}$
$= 42\text{ m } 90\text{ cm}$

$$\begin{array}{r} 42 \\ 100\overline{)4290} \\ -400\downarrow \\ \hline 290 \\ -200 \\ \hline 90 \end{array}$$

c. $6430\text{ cm} = 6400\text{ cm} + 30\text{ cm}$
$= (6400\div 100)\text{ m} + 30\text{ cm}$
$\left(\because 1\text{cm} = \frac{1}{100}\text{ m}\right)$
$= 64\text{ m} + 30\text{ cm}$
$= 64\text{ m } 30\text{ cm}$

$$\begin{array}{r} 64 \\ 100\overline{)6430} \\ -600\downarrow \\ \hline 430 \\ -400 \\ \hline 30 \end{array}$$

d. $7065\text{ cm} = 7000\text{ cm} + 65\text{ cm}$
$= (7000\div 100)\text{ m} + 65\text{ cm}$
$\left(\because 1\text{cm} = \frac{1}{100}\text{ m}\right)$
$= 70\text{ m} + 65\text{ cm}$
$= 70\text{ m } 65\text{ cm}$

$$\begin{array}{r} 70 \\ 700\overline{)7065} \\ -700\downarrow \\ \hline 065 \\ -000 \\ \hline 65 \end{array}$$

e. $9835\text{ cm} = 9800\text{ cm} + 35\text{ cm}$
$= (9800 \div 100)\text{ m} + 35\text{ cm}$
$\left(\because 1\text{cm} = \frac{1}{100}\text{ m}\right)$
$= 98\text{ m} + 35\text{ cm}$
$= 98\ 35\text{ cm}$

$$\begin{array}{r} 98 \\ 100\overline{)9835} \\ -900\downarrow \\ \hline 835 \\ -800 \\ \hline 35 \end{array}$$

f. $1923\text{ cm} = 1900\text{ cm} + 23\text{ cm}$
$= (1900 \div 100)\text{ m} + 23\text{ cm}$
$\left(\because 1\text{cm} = \frac{1}{100}\text{ m}\right)$
$= 19\text{ m} + 23\text{ cm}$
$= 19\text{ m}\ 23\text{ cm}$

$$\begin{array}{r} 19 \\ 100\overline{)1923} \\ -100\downarrow \\ \hline 923 \\ -900 \\ \hline 23 \end{array}$$

4. a. 5000 m
$\left(\because 1\text{m} = \frac{1}{1000}\text{ km}\right)$
$= \frac{5000}{1000}\text{ km} = 5\text{ km}$

b. 3000 m
$\left(\because 1\text{m} = \frac{1}{1000}\text{ km}\right)$
$= \frac{3000}{1000}\text{ km} = 3\text{ km}$

c. 9000 m
$\left(\because 1\text{m} = \frac{1}{1000}\text{ km}\right)$
$= \frac{9000}{1000}\text{ km} = 9\text{ km}$

d. 8000 m
$\left(\because 1\text{m} = \frac{1}{1000}\text{ km}\right)$
$= \frac{8000}{1000}\text{ km} = 8\text{ km}$

e. 7000 m
$\left(\because 1\text{m} = \frac{1}{1000}\text{ km}\right)$
$= \frac{7000}{1000}\text{ km} = 7\text{ km}$

f. 1000 m
$\left(\because 1\text{m} = \frac{1}{1000}\text{ km}\right)$
$= \frac{1000}{1000}\text{ km} = 1\text{ km}$

5. a. $9859\text{ m} = 9000\text{ m} + 859\text{ m}$
$= (9000 \div 1000)\text{ km} + 859\text{ m}$
$= 9\text{ km}\ 859\text{ m}$

$$\begin{array}{r} 9 \\ 1000\overline{)9859} \\ -9000 \\ \hline 859 \end{array}$$

b. $7100\text{ m} = 7000\text{ m} + 100\text{ m}$
$= (7000 \div 1000)\text{ km} + 100\text{ m}$
$= 7\text{ km} + 100\text{ m}$
$= 7\text{ km}\ 100\text{ m}$

$$\begin{array}{r} 7 \\ 1000\overline{)7100} \\ -7000 \\ \hline 100 \end{array}$$

c. $6003\text{ m} = 6000\text{ m} + 3\text{ m}$
$= (6000 \div 1000)\text{ km} + 3\text{ m}$
$= 6\text{ km} + 3\text{ m} = 6\text{ km}\ 3\text{ m}$

$$\begin{array}{r} 6 \\ 1000\overline{)6003} \\ -6000 \\ \hline 3 \end{array}$$

d. 1030 m = 1000 m + 30 m
= (1000 ÷ 1000) km + 30 cm
= 1 km + 30 m = 1 km 30 m

$$\begin{array}{r} 1 \\ 1000\overline{)\,1030} \\ -\,1000 \\ \hline 30 \end{array}$$

e. 6985 m = 6000 m + 985 m
= (6000 ÷ 1000) km + 985 m
= 6 km + 985 m = 6 km 985 m

$$\begin{array}{r} 6 \\ 1000\overline{)\,6985} \\ -\,6000 \\ \hline 985 \end{array}$$

f. 2120 m = 2000 m + 120 m
= (2000 ÷ 1000) km + 120 m
= 2 km 120 m

$$\begin{array}{r} 2 \\ 1000\overline{)\,2120} \\ -\,2000 \\ \hline 120 \end{array}$$

Exercise 9.3

1. a.

m	cm
93	53
+ 32	23
125	76

b.

m	cm
	1
144	38
+ 27	38
171	76

c.

m	cm
1	1 1
59	166
+28	338
87	504

2. a.

m	cm
9	28
– 3	16
6	12

b.

m	cm
	5 15
97	~~6~~ ~~8~~
– 35	16
62	49

c.

m	cm
	6 12
16	3 ~~7~~ ~~2~~
–13	128
3	244

3. a.

m	cm
1 1	1
66	36
+ 23	88
90	24

∴ 90 m 24 cm

b.

km	m
1 1	1 1
47	568
+55	768
103	336

∴ 103 km 336 m

c.

m	cm
1 1 1	1
36	28
258	83
+140	36
435	47

∴ 435 m 47 cm

d.

m	cm
1 1	1
286	48
+456	18
742	66

∴ 742 m 66 cm

4. a.

m	cm
5 17	14
~~6~~ ~~8~~	~~4~~ 5
– 29	60
38	85

∴ 38 m 85 cm

b.

m	cm
2 1615	418
3 ~~7~~ ~~3~~	~~5~~ 8
–289	29
86	29

∴ 86 m 29 cm

c.

m	cm
2 1514	1710
3 ~~6~~ ~~3~~	~~6~~ 0
–185	86
179	74

∴ 179 m 74 cm

d.

km	m
814	211
~~6~~ ~~8~~	~~4~~ ~~3~~
– 29	60
38	85

∴ 15 km 18 m

Exercise 8.4

1. a. 8 kg
(∵ 1 kg = 1000 g)
= 8 × 1000 g = 8000 g

b. 3 kg 780 g
(∵ 1 kg = 1000 g)
= (3 × 1000) g + 780 g = 3780 g

c. 4 kg 435 g
(∵ 1 kg = 1000 g)
= (4 × 1000) g + 435 g

d. 7 kg 25 g
(∵ 1 kg = 1000 g)
= (7 × 1000) g + 25 g

$= 4000\text{ g} + 435\text{ g} = 4435\text{ g}$

e. $9\text{ kg } 450\text{ g}$ $(\because 1\text{ kg} = 1000\text{ g})$

$= (9 \times 1000)\text{ g} + 450\text{ g}$

$= 9000\text{ g} + 450\text{ g} = 9450\text{ g}$

g. $4\text{ kg } 678\text{ g}$ $(\because 1\text{ kg} = 1000\text{ g})$

$= (4 \times 1000)\text{ g} + 678\text{ g}$

$= 4000\text{ g} + 678\text{ g} = 4678\text{ g}$

i. $3\text{ kg } 540\text{ g}$ $(\because 1\text{ kg} = 1000\text{ g})$

$= (3 \times 1000)\text{ g} + 540\text{ g}$

$= 3000\text{ g} + 540\text{ g} = 3540\text{ g}$

$= 7000\text{ g} + 25\text{ g} = 7025\text{ g}$

f. $5\text{ kg } 454\text{ g}$ $(\because 1\text{ kg} = 1000\text{ g})$

$= (5 \times 1000)\text{ g} + 454\text{ g}$

$= 5000\text{ g} + 454\text{ g} = 5454\text{ g}$

h. $6\text{ kg } 340\text{ g}$ $(\because 1\text{ kg} = 1000\text{ g})$

$= (6 \times 1000)\text{ g} + 340\text{ g}$

$= 6000\text{ g} + 340\text{ g} = 6340\text{ g}$

2. a. $5000\text{ g} = 5000 \div 1000 = 5\text{ kg}$

b. $1008\text{ g} = 1000\text{ g} + 8\text{ g}$

$= (1000 \div 1000)\text{ kg} + 8\text{ kg}$

$= 1\text{ kg} + 8\text{ g}$

$= 1\text{ kg } 8\text{ g}$

$$\begin{array}{r} 1 \\ 1000\overline{)\,1008} \\ -\,1000 \\ \hline 8 \end{array}$$

c. $7870\text{ g} = 7000\text{ g} + 870\text{ g}$

$= (7000 \div 1000)\text{ kg} + 870\text{ g}$

$= 7\text{ kg} + 870\text{ g}$

$= 7\text{ kg } 870\text{ g}$

$$\begin{array}{r} 7 \\ 1000\overline{)\,7870} \\ -\,7000 \\ \hline 870 \end{array}$$

d. $1645\text{ g} = 1000\text{ kg} + 645\text{ g}$

$= (1000 \div 1000)\text{ kg} + 645\text{ g}$

$= 1\text{ kg} + 645\text{ g}$

$= 1\text{ kg } 645\text{ g}$

$$\begin{array}{r} 1 \\ 1000\overline{)\,1645} \\ -\,1000 \\ \hline 645 \end{array}$$

e. $2070\text{ g} = 2000\text{ g} + 70\text{ g}$

$= (2000 \div 1000)\text{ kg} + 70\text{ g}$

$= 2\text{ kg} + 70\text{ g}$

$= 2\text{ kg } 70\text{ g}$

$$\begin{array}{r} 2 \\ 1000\overline{)\,2070} \\ -\,2000 \\ \hline 70 \end{array}$$

f. $4088\text{ g} = 4000\text{ g} + 88\text{ g}$

$= (4000 \div 1000)\text{ g} + 88\text{ g}$

$= 4\text{ kg} + 88\text{ g}$

$= 4\text{ kg } 88\text{ g}$

$$\begin{array}{r} 4 \\ 1000\overline{)\,4088} \\ -\,4000 \\ \hline 88 \end{array}$$

g. $6789\text{ g} = 6000\text{ g} + 789\text{ g}$

$= (6000 \div 1000)\text{ kg} + 789\text{ g}$

$= 6\text{ kg} + 789\text{ g}$

$= 6\text{ kg } 789\text{ g}$

$$\begin{array}{r} 6 \\ 1000\overline{)\,6789} \\ -\,6000 \\ \hline 789 \end{array}$$

h. $8500\text{ g} = 8000\text{ g} + 500\text{ g}$

$= (8000 \div 1000)\text{ kg} + 500\text{ g}$

$= 8\text{ kg} + 500\text{ g}$

$= 8\text{ kg } 500\text{ g}$

$$\begin{array}{r} 8 \\ 1000\overline{)\,8500} \\ -\,8000 \\ \hline 500 \end{array}$$

i. 3123 g = 3000 g + 123 g
= (3000 ÷ 1000) kg + 123 g
= 3 kg + 123 g
= 3 kg 123 g

$$\begin{array}{r} 3 \\ 1000\overline{)\,3123} \\ -\,3000 \\ \hline 123 \end{array}$$

Exercise 9.5

1. a.

kg	g
	1
5	480
+3	170
8	650

b.

kg	g
	1
6	518
+3	428
9	946

c.

kg	g
	1
4	250
+3	175
7	425

2. a.

kg	g
	3 1214
8	4 ~~2~~ ~~14~~
− 3	075
5	359

b.

kg	g
8	9 10
~~9~~	0 ~~10~~
− 2	525
6	481

c.

kg	g
	8 1410
7	~~9~~ ~~50~~
− 2	455
5	495

3. a.

kg	g
7	540
+ 1	350
8	890

∴ 8 kg 890 g

b.

kg	g
6	30
+ 5	670
11	700

∴ 11 kg 700 g

c.

kg	g
	1 1
3	385
+ 7	365
10	750

∴ 10 kg 750 g

d.

kg	g
1	1
22	567
+15	550
38	117

∴ 38 kg 117 g

4. a.

kg	g
6	567
− 3	340
3	227

∴ 3 kg 227 g

b.

kg	g
9	680
− 4	560
5	120

∴ 5 kg 120 g

c.

kg	g
2 12	17 9 15
33	~~8~~ ~~05~~
−23	876
9	929

∴ 9 kg 929 g

d.

kg	g
	1310
128	~~13~~ ~~10~~
−125	75
3	255

∴ 3 kg 255 g

Exercise 9.6

1. a. 9 *l* (1 litre = 1000 ml)
= 9 × 1000 ml
= 9000 ml

b. 3 *l* 440 ml (1 *l* = 1000 ml)
= (3 × 1000) ml + 440 ml
= 3000 ml + 440 ml
= 3440 ml

c. 7 *l* 4 ml (1 *l* = 1000 ml)
= (7 × 1000) ml + 4 ml
= 7000 ml + 4 ml
= 7004 ml

d. 8 *l* 675 ml (1 *l* = 1000 ml)
= (8 × 1000) ml + 675 ml
= 8000 ml + 675 ml
= 8675 ml

e. 5 *l* 720 ml (1 *l* = 1000 l)
= 5 × 1000 ml + 720 ml
= 5000 ml + 720 ml
= 5720 ml

f. 6 *l* 880 ml (1 *l* = 1000 ml)
= (6 × 1000) ml + 880 ml
= 6000 ml + 880 ml
= 6880 ml

2. a. 14000 ml = (14000 ÷ 1000) *l* = 14 *l*

b. 6000 ml = (6000 ÷ 1000) *l* = 6 *l*

c. 9876 ml = 9000 ml + 876 ml

= (9000 ÷ 1000) *l* + 876 ml
= 9 *l* + 876 ml
= 9 *l* 876 ml

	9
1000)	9876
	– 9000
	876

= 9 *l* 876 ml

d. 7765 ml = 7000 ml + 765 ml
= (7000 × 1000) *l* + 765 ml
= 7 *l* + 765 ml
= 7 *l* 765 ml

	7
1000)	7765
	– 7000
	765

= 7 *l* 765 ml

e. 2343 ml = 2000 ml + 343 ml
= (2000 ÷ 1000) *l* + 343 ml
= 2 *l* + 343 ml
= 2 *l* 343 ml

	2
1000)	2343
	– 2000
	343

= 2 *l* 343 ml

f. 8004 ml = 8000 ml + 4 ml
= (8000 ÷ 1000) *l* + 4 ml
= 8 *l* + 4 ml
= 8 *l* 4 ml

	8
1000)	8004
	– 8000
	4

= 8 *l* 4 ml

Exercise 9.7

1. a.

l	ml
	1
4	5 6 2
+ 3	6 9 5
8	2 5 7

b.

l	ml
	1 1
7	1 0 3
+ 2	3 6 9
9	4 7 2

c.

l	ml
	1
8	0 1 5
+ 1	3 0 5
9	3 2 0

2. a.

l	ml
8	10 6 15
~~9~~	~~0~~~~7~~~~5~~
– 3	1 5 9
5	9 1 6

b.

l	ml
3	11 14 10
~~4~~	~~2~~~~5~~~~0~~
– 1	5 7 5
2	6 7 5

c.

l	ml
	4 9 10
8	~~5~~~~0~~~~0~~
– 2	1 7 5
6	3 2 5

3. a.

l	ml
2 5	2 5 3
+3 4	5 0 0
5 9	7 5 3

∴ 59 *l* 753 ml

b.

l	ml
2 2	1 1
4 8	8 6 5
1 9	5 3 5
+2 2	7 6 5
9 1	1 6 5

∴ 91 *l* 165 ml

c.

l	ml
1 1	
1 3	5 0 0
+1 6	7 5 0
3 0	2 5 0

∴ 30 *l* 250 ml

d.

l	ml
	1 1
4 5	1 1 5
2 7	7 5 0
+1 7	8 7 5
9 0	7 4 0

∴ 90 *l* 740 ml

4. a.

l	ml
2 14	
~~3~~~~4~~	6 5 0
–1 5	2 0 0
1 9	4 5 0

∴ 19 *l* 450 ml

b.

l	ml
7 11	10 13
~~8~~~~2~~	~~1~~~~3~~0
–7 5	8 8 0
6	2 5 0

∴ 6 *l* 250 ml

c.

l	ml
5 4	7 8 0
–1 0	3 8 0
4 4	4 0 0

∴ 44 *l* 400 ml

d.

l	ml
7 13	18 6 10
~~8~~~~4~~	8 7 0
–5 5	9 3 4
2 8	9 3 6

∴ 28 *l* 936 ml

Exercise 9.8

1.

			m	cm
			1 1	1
Purchased blue ribbon	=		25	35
Red ribbon	=		40	64
Green ribbon	=	+	16	39
Total length of the ribbon	=		82	38

Thus, 82 m 38 cm ribbon purchase by Sanjay.

2.

			m	cm
Length of the rope	=		45	65
Piece of rope cut	=	–	19	36
The remaining rope	=		26	29

Thus, 26 m 29 cm length of the remaining rope.

3.

			kg	g
			1	1
Mrs. Kashup bought potatoes	=		4	450
She bought tomatoes	=		5	350
She bought onions	=	+	6	600
Total vegetables bought	=		16	400

Thus, she bought 16 kg 400 g vegetables.

4.

		kg	g
Prateek weights	=	76	450
Rahul weight	=	89	10

Rahul weight is more than Prateek

l	ml
8	9 11
8 ~~9~~	~~0~~ ~~X~~ ~~0~~
–7 6	4 5 0
1 2	5 6 0

Thus Rahul weight is 12 kg 560 g more than Prateek.

5.

		l	ml
		5 15	
A man bought paint	=	6 5	5 6 0
He used paint	=	– 4 7	4 5 0
Paint is left	=	1 8	1 1 0

Thus 18 *l* 110 ml paint is left.

6.

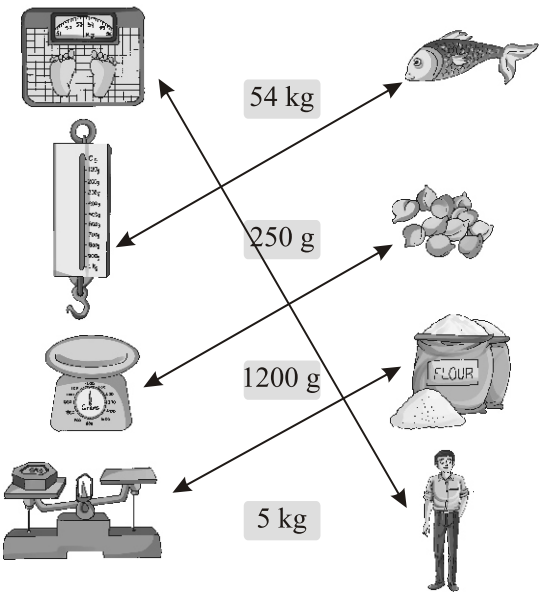
			l	ml
A car filled with petrol	=		25	300
Petrol used in the journey	=	–	14	850
Petrol is left	=		10	450

Thus, 10 *l* 450 ml petrol is left in car.

MCQ's

1. a **2.** b **3.** c **4.** b **5.** b

Worksheet



Maths Lab Activity

Record the Activity :

250 g + 250 g + 250 g + 250 g = 1 kg

Try This Out!

1. 250 g **2.** 400 g

10 Geometrical Shapes

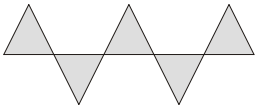
Exercise-10.1

1. a. square = 4 b. rectangle = 4 c. triangle = 3
d. circle = zero e. oval = zero

2. Circle and Oval

3. (a) bangle = Circle (b) sandwich = Triangle
(c) book = Rectangle (d) handkerchief =Square
(e) coin = Circle (f) matchbox = Rectangle
(g) bottom of a cup = Circle (h) postcard = Rectangle

4. (a)



5 triangles

(b)

8 triangles

Exercise-10.2

1. a. A circle has **no** side and **no** vertex.
b. A triangle has **3** sides and **3** vertices.
c. All the sides of a square are **equal**.
d. The opposite sides of a **Rectangle** are equal.
e. The sides of a **triangle** may or may not be equal.
f. An oval has no **side** and no **vertex**.
g. A rectangle has **4** sides and **4** vertices.

2. Do your self

3. Do your self

Exercise-10.3

1. **Solve the following riddles and name the shapes :**

a. I have six faces, all of equal size and eight vertices.
I am a **Cube**. The number of edges I have is **12**.

b. I also have six faces but not of equal size. I have **12** edges.
I am a **cuboid**. I have **8** vertices.

c. Two surfaces, one edge and one vertex make me! I am unique.
I am a **cone**.

d. The planet you live on looks like me! I am a **sphere**.

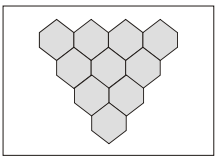
e. I have no vertices but 2 edges. I am an elongated shape with three faces.
I am a **cylinder**.

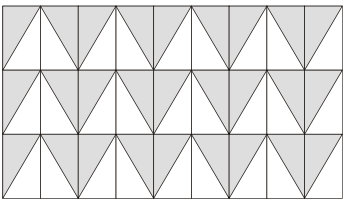
2. Do your self

Exercise-10.4

1. Do your self

2. Complete the two floor patterns given below :





MCQ's

Tick (✓) the correct choice :

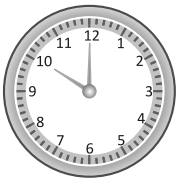
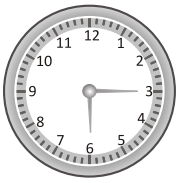
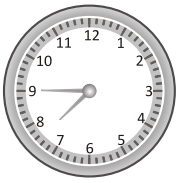
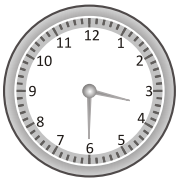
1. c 2. a 3. b 4. c 5. c

Mental Execise :

a. 5 b. 13 c. 10

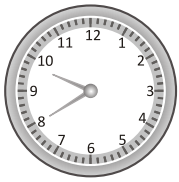
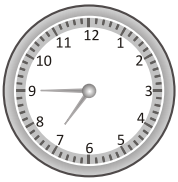
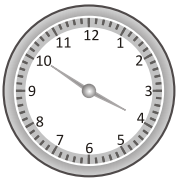
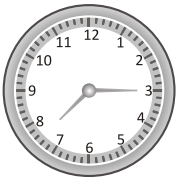
Exercise 11.1

1. a. 3.00 b. 2.30
c. 7.15 d. 10.45

2. a. 
b. 
c. 
d. 

Exercise 11.2

1. a. 8 : 25
25 minutes past 8
b. 2 : 55
55 minutes past 2
c. 6 : 15
quarter past 6
d. 8 : 25
25 minutes past 8
e. 5 : 50
50 minutes past 5
f. 7 : 10
10 minutes past 7

2. a. 
b. 
c. 
d. 
e. 
f. 

Exercise 11.3

a. Ten minutes past 7 in the morning = 7 : 10 a.m.
b. Quarter to 11 at night = 10 : 45 p.m.
c. 12 O'clock at night = 12 midnight.
d. 5 O'clock in the morning = 5 : 00 a.m.
e. Quarter past 4 in the afternoon = 4 : 15 p.m.
f. 6 hours before noon = 6 : 00 a.m.

Exercise 11.4

1. a. 9 hours

We know that :

[$\because$ 1 hour = 60 minutes]

So, 9 hours $= 9 \times 60$ minutes

$= 540$ minutes.

b. 7 hours

We know that :

[$\because$ 1 hour = 60 minutes]

So, 7 hours $= 7 \times 60$ minutes

$= 420$ minutes.

c. 16 hours

[$\because$ 1 hour = 60 minutes]

So, 16 hours $= 60 \times 16$

$= 960$ minutes

d. 2 hours 45 minutes

[$\because$ 1 hour = 60 minutes]

So, 2×60 minutes + 45 minutes

= 120 minutes + 45 minutes

= 165 minutes

e. 10 hours 15 minutes

[$\because$ 1 hour = 60 minutes]

So, 10×60 minutes + 15 minutes

= 600 minutes + 15 minutes

= 615 minutes

f. 13 hours 25 minutes

[$\because$ 1 hour = 60 minutes]

So, 13×60 minutes + 25 minutes

= 780 minutes + 25 minutes

= 805 minutes

g. $4\frac{1}{2}$ hours

[$\because$ 1 hour = 60 minutes]

$= 4 \times 60$ minutes $+ \frac{1}{2} \times 60$ minutes

= 240 minutes + 30 minutes

= 270 minutes

h. 6 hours 50 minutes

[$\because$ 1 hour = 60 minutes]

$= 6 \times 60$ minutes + 50 minutes

= 360 minutes + 50 minutes

= 410 minutes

i. 117 hours [$\because$ 1 hour = 60 minutes]

$= 117 \times 60$ minutes = 7020 minutes

2. Ajit took time = 245 minutes

Somya took time = 3 hours 15 minutes

Convert, 3 hours 15 minutes into minutes.

We know that : 1 hour = 60 minutes

So, 3 hours 15 minutes $= 3 \times 60$ minutes + 15 minutes

= 180 minutes + 15 minutes = 195 minutes

Therefore, Somya travelled faster.

3. Mother spent time in the market = 1 hour 20 minutes

Convert 1 hour 20 minutes into minutes.

We know that : 1 hour = 60 minutes

So, 1 hour 20 minutes $= 1 \times 60$ minutes + 20 minutes = 80 minutes

Exercise 11.5

1. a. 26 January b. 2 October c. 15 August d. 25 December

2. a. First Sunday in the month of January is on **6 January**.

b. There are **5** Sundays in the month of September.

c. August month has **4** Mondays.

d. Last Sunday in the month of December is on **29 December**.

e. Nisha has holidays from 15th October to 17th October. She has holidays for **3** days. Her school starts on **18 October** which is a **Friday**.

Exercise 11.6

1. a. 9 months 2 weeks

We know that : 1 month = 30 days

1 weeks = 7 days

$= 9 \times 30$ days $+ 2 \times 7$ days

= 270 days + 14 days

= 284 days.

b. June + 3 weeks + 30 days (June = 30 days)

= 30 days + 3×7 days + 30 days (1 week = 7 days)

= 30 days + 21 days + 30 days = 81 days.

c. April + 9 days (April = 30 days)

= 30 days + 9 days = 39 days.

d. February + March + October

= (28 + 31 + 31) days = 90 days.

e. 3 weeks + 4 days (1 week = 7 days)

$= 3 \times 7$ days + 4 days

= 21 days + 4 days = 25 days.

f. 2 weeks + 3 weeks (1 week = 7 days)

$= 2 \times 7$ days $+ 3 \times 7$ days

= 14 days + 21 days = 35 days.

2. a. 2 days $= (2 \times 24)$ hours = 48 hours. (1 day = 24 hours)

b. 1 weeks (1 weeks = 7 days)

1 weeks $= 1 \times 7$ days = 7 days. (1 days = 24 hour)

Convert 7 days into hours

$= 7 \times 24$ hour

= 168 hour

c. 2 and half day (1 day = 24 hour)

$= 2 \text{ days} + \frac{1}{2} \text{ half days} = 2 \times 24 \text{ hour} + \frac{1}{2} \times 24 \text{ hour}$

= 48 hour + 12 hour

= 60 hour.

d. 5 days (1 days = 24 hour)

$= 5 \times 24$ hour

= 120 hour

e. 2 days + 2 hours (1 day = 24 hour)

$= 2 \times 24$ hours + 2 hours

= 48 hours + 2 hours

= 50 hours

f. 10 days + 10 hours (1 day = 24 hour)

$= 10 \times 24$ hours + 10 hours

= 240 hours + 10 hours

= 250 hours

MCQ's

1. b **2.** b **3.** b **4.** c

Time To Fun

Do it yourself.

Exercise-12.1

1. a. ₹ 18.36 = Eighteen rupees and thirty six paise
b. ₹ 10.05 = Ten rupees and five paise
c. ₹ 49.50 = Forty nine rupees and fifty paise
d. ₹ 68.35 = Sixty eight rupees and thirty five paise
e. ₹ 48.40 = Forty eight rupees and forty paise
f. ₹ 73.75 = Seventy three rupees and seventy five paise

2.

a.	Twenty rupees and thirty paise	₹ 20.30
b.	Sixty-seven rupees and fifty paise	₹ 67.50
c.	Forty-eight rupees and twenty-five paise	₹ 48.25
d.	Thirty rupees and forty paise	₹ 30.40
e.	Twenty-one rupees and five paise	₹ 21.05

3.

a.	There are one hundred 10 p in ₹ 10	
b.	There are ten	₹ 10 in 100.
c.	There are eight	25 p in ₹ 2.
d.	There are ten	₹ 5 in ₹ 50.
e.	There are hundred	50 p in ₹ 50.

4. a.

Eighty three rupees and fifty paise = ₹ 83.50

b.

Forty three rupees fifty paise = ₹ 43.50

c.

Seventy rupees = ₹70

d.

Thirty one rupees = ₹ 31

e.

Five hundred twenty five rupees = ₹ 525

f.

One hundred seventy one rupees and fifty paise = ₹ 171.5

Exercise 12.2

1. a. ₹ 5 = 500 P b. ₹ 20 = 2000 p c. ₹ 7.50 = 750 p
d. ₹ 8.40 = 840 p e. ₹ 16.90 = 1690 p f. ₹ 6.75 = 675 p
g. ₹ 4 = 400 p h. ₹ 16.50 = 1650 p

2.
a. 7005p = ₹ 70.05 = Seventy rupees and five paise'
b. 530 p = ₹ 5.30 = Five rupees and thirty paise
c. 60 p = ₹ 0.60 = Zero rupees and sixty paise
d. 3000 p = ₹ 30.00 = Thirty rupees and zero paise
e. 960 p = ₹ 9.60 = Nine rupees and sixty paise
f. 640 p = ₹ 6.40 = Six rupees and forty paise
g. 4010 p = ₹ 40.10 = Forty rupees and ten paise
h. 1010 p = ₹ 10.10 = Ten rupees and Ten paise.

Exercise 12.3

1.

a.
₹ 16 . 25
+ ₹ 43 . 65
₹ 59 . 90

b.
₹ 112 . 64
+ ₹ 321 . 32
₹ 433 . 96

c.
₹ 20 . 60
+ ₹ 34 . 35
₹ 54 . 95

d.
₹ 36 . 48
+ ₹ 21 . 60
₹ 58 . 08

e.
₹ 50 . 00
+ ₹ 19 . 68
₹ 69 . 68

f.
₹ 65 . 70
+ ₹ 12 . 22
₹ 77 . 92

2.

a.
₹ 78 . 85
– ₹ 30 . 25
₹ 48 . 60

b.
₹ 88 . 90
– ₹ 48 . 65
₹ 40 . 25

c.
₹ 29 . 70
– ₹ 14 . 10
₹ 15 . 60

d.
₹ 75 . 65
– ₹ 23 . 80
₹ 51 . 85

e.
₹ 67 . 95
– ₹ 43 . 55
₹ 24 . 40

f.
₹ 68 . 70
– ₹ 45 . 90
₹ 22 . 80

3.

a.
₹ 45 . 16
+ ₹ 23 . 89
₹ 69 . 05

b.
₹ 67 . 30
– ₹ 48 . 85
₹ 18 . 45

c.
₹ 54 . 00
– ₹ 39 . 89
₹ 14 . 11

d.
₹ 92 . 10
+ ₹ 78 . 98
₹ 171 . 08

e.
₹ 74 . 20
– ₹ 29 . 65
₹ 44 . 55

f.
₹ 36 . 70
– ₹ 48 . 85
₹ 85 . 55

Exercise 12.4

1.
Spend on book = ₹ 15.88
" " stickers = ₹ 08.50
" " Pencil = ₹ 05.50
total spend ₹ 29.88

2.
Cost of pencil ₹ 18.50
" " Pen + ₹ 07.75
Money needed ₹ 26.25

3.
Cost of chips ₹ 10.00
Cost of Coco-cola ₹ 22.65
Cost of toffee packet + ₹ 14.50
Total cost ₹47.15

4.
Priti had ₹ 50.80
Father gave + ₹ 37.25
Priti now had ₹ 88.05

5. Rajat had ₹ 35.50
He spent – ₹ 17.75
left ₹ 17.75

6. Spent on potatoes ₹ 35.50
Spend on onions + ₹ 18.75
Total expenditure ₹ 54.25

Exercise 12.5

1. a.
₹ 12
× 8
₹ 96

∴ ₹ 12 × 8 = ₹ 96

b.
₹ 19
× 5
₹ 95

∴ ₹ 19 × 5 = ₹ 95

c.
₹ 53
× 9
₹ 477

∴ ₹ 53 × 9 = ₹ 477

d.
₹ 42.60
× 3
₹ 127.80

∴ ₹ 42.60 × 3 = ₹ 127.80

e.
₹ 14.45
× 6
₹ 86.70

∴ ₹ 14.45 × 6 = ₹ 86.70

f.
₹ 67.85
× 2
₹ 135.70

∴ ₹ 67.85 × 2 = ₹ 135.70

2. a.
₹ 3 4 . 4 5
× 1 0
0 0 0 0
3 4 4 5 ×
₹ 3 4 4 . 5 0

∴ ₹ 34.45 × 10 = ₹ 344.50

b.
₹ 6 . 2 5
× 7
₹ 4 3 . 7 5

∴ ₹ 6.25 × 7 = ₹ 43.75

c.
₹ 1 0 . 0 5
× 6
₹ 6 0 . 3 0

∴ ₹ 10.5 × 6 = ₹ 60.30

d.
₹ 7 4 . 4 5
× 1 0 0
0 0 0 0
0 0 0 ×
7 4 4 5 × ×
₹ 7 4 4 5 . 0 0

∴ ₹ 74.45 × 100 = ₹ 7445.00

MCQ's

Tick (✓) the correct choice :

1. a **2.** c **3.** b **4.** b

Mental Exercise

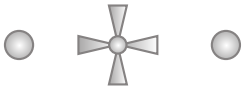
Total Amount = ₹ 194

Time To Fun

a. (iii) b. (v) c. (i) d. (vi) e. (iv) f. (ii)

13 Patterns

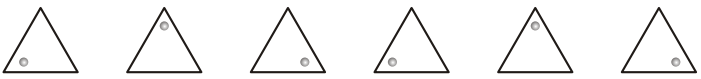
Exercise 13.1

1. a. 

b. 

c. 

d. 

2. 

Exercise 13.2

a. (✓) b. (✗) c. (✗) d. (✓) e. (✓) f. (✓) g. (✓) h. (✗)

Exercise 13.3

Colour it yourself.

Exercise 13.4

Colour it yourself.

Exercise 13.5

1.

a.	$70 + 20 = 90$	$90 + 30 = 110$	$110 + 20 = 130$
b.	$35 + 10 = 45$	$45 + 10 = 55$	$55 + 10 = 65$
c.	$17 - 1 = 16$	$16 - 1 = 15$	$15 - 1 = 14$
d.	$8 \times 5 = 40$	$8 \times 6 = 48$	$8 \times 7 = 56$
e.	$27 + 5 = 32$	$32 + 5 = 37$	$37 + 5 = 42$

2.

a.

1	2	**3**	4	**5**	6	**7**	**8**
10	20	**30**	40	**50**	60	**70**	80

b. (i) $15 + 6 = 21$, $21 + 6 = 27$, $27 + 6 = 33$, $33 + 6 = 39$, $39 + 6 = 45$

(ii) $7 + 4 = 11$, $11 + 4 = 15$, $15 + 4 = 19$, $19 + 4 = 23$, $23 + 4 = 27$, $27 + 4 = 31$

(iii) $40 + 10 = 50$, $50 + 10 = 60$, $60 + 10 = 70$, $70 + 10 = 80$, $80 + 10 = 90$, $90 + 10 = 100$, $100 + 10 = 110$

3. a. $6 + \mathbf{1}$ = Odd number

b. $12 + \mathbf{2}$ = Even number

c. $\mathbf{2} + \mathbf{6}$ = Even number

d. $\mathbf{3} + \mathbf{2}$ = Odd number

MCQ's

1. b **2.** b **3.** a

Time To Fun

Do it yourself.

14 Pictorial Interpretation of Data

Exercise-14.1

1. a. Tuesday b. Monday c. Thursday
d. Wednesday, Friday e. 175 books

2. a. Wednesday b. 85 c. 30
d. 80 e. Tuesday

Example :

a. 8 b. 1 c. No d. 4 e. 2

MCQ's

Tick (✓) the correct choice :

1. c 2. b. 3. a.