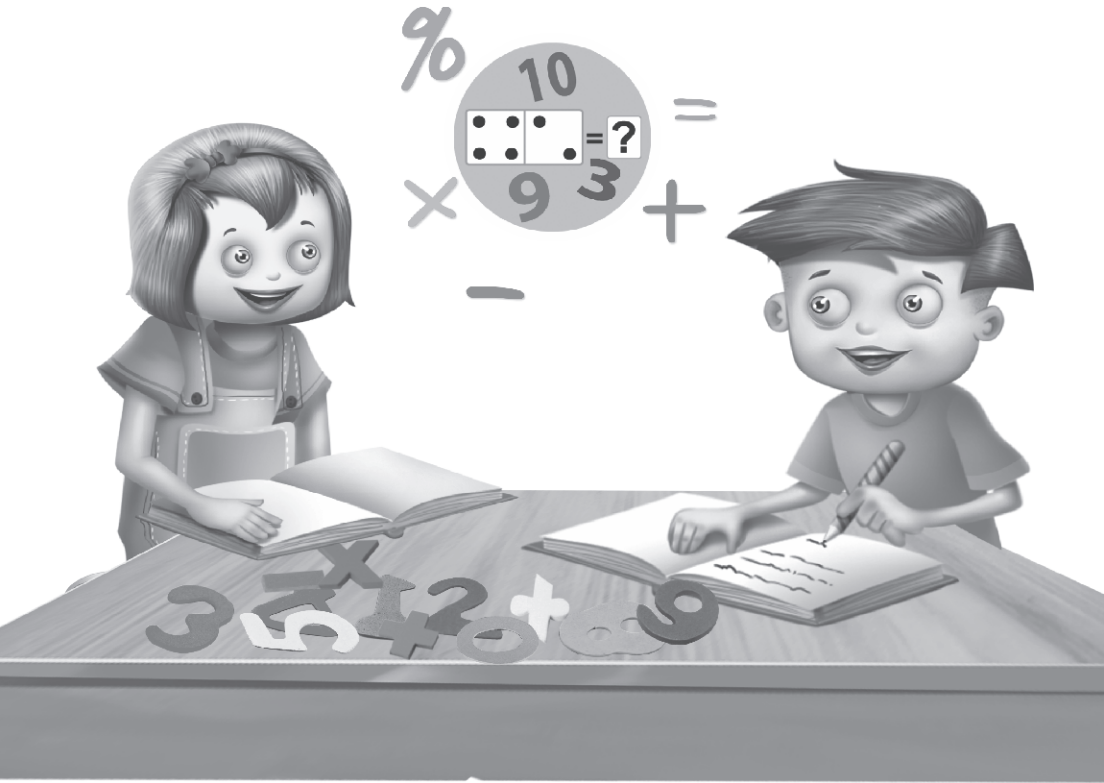
FUTURE KIDS

Grow with Maths

Teacher's Manual

Class-3



Grow With Maths (Book 3)

Revision

1. Solve the following in their expanded form:

789 = **7** hundreds **8** tens **9** ones

– 474 = **4** hundreds **7** tens **4** ones

Difference = **3** hundreds **1** ten **5** ones

789 – 474 = **315**

2. Work out the following additions:

(a)
$$\begin{array}{r} 33 \\ +\ 74 \\ \hline 107 \end{array}$$
(b)
$$\begin{array}{r} 49 \\ +\ 41 \\ \hline 90 \end{array}$$
(c)
$$\begin{array}{r} 72 \\ +\ 85 \\ \hline 157 \end{array}$$
(d)
$$\begin{array}{r} 33 \\ +\ 76 \\ \hline 109 \end{array}$$

3. Find the sum:

(a)
$$\begin{array}{r} {\scriptstyle ①\ \ } \\ 32 \\ 54 \\ +\ 57 \\ \hline 143 \end{array}$$
(b)
$$\begin{array}{r} {\scriptstyle ①\ \ } \\ 53 \\ 66 \\ +\ 24 \\ \hline 143 \end{array}$$
(c)
$$\begin{array}{r} {\scriptstyle ○①\ } \\ 734 \\ 27 \\ +\ 331 \\ \hline 1092 \end{array}$$
(d)
$$\begin{array}{r} {\scriptstyle ①①\ } \\ 281 \\ 29 \\ +\ 542 \\ \hline 852 \end{array}$$

4. Anand read pages of one day = 65

Anand read pages of next day = +45

Total = **110**

5. Subtract :

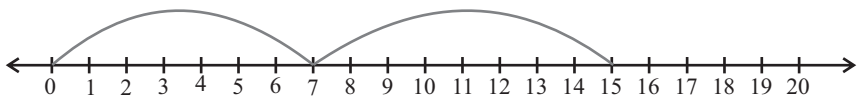
(a)
$$\begin{array}{r} 96 \\ -\ 94 \\ \hline 2 \end{array}$$
(b)
$$\begin{array}{r} 82 \\ -\ 56 \\ \hline 26 \end{array}$$
(c)
$$\begin{array}{r} 624 \\ -\ 538 \\ \hline 86 \end{array}$$
(d)
$$\begin{array}{r} 538 \\ -\ 297 \\ \hline 241 \end{array}$$

6. Passengers in a train = 655

Passengers got down the train = –232

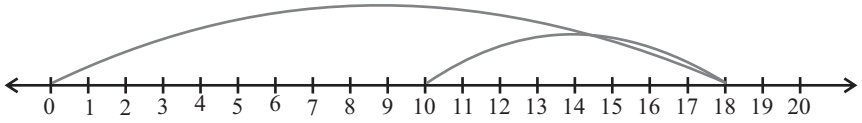
423

7. Add on the number line:



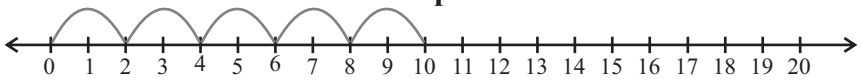
7 + 8 = **15**

8. Subtract on the number line:



$18 - 10 = \mathbf{8}$

9. Use the number line for multiplication and fill in the boxes:



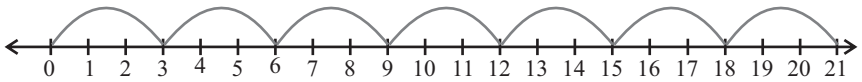
$2 + 2 + 2 + 2 + 2$ or $2 \times 5 = \mathbf{10}$

10. Multiply:

(a) $\begin{array}{r} 94 \\ \times\ 2 \\ \hline 188 \end{array}$ (b) $\begin{array}{r} 72 \\ \times\ 3 \\ \hline 216 \end{array}$ (c) $\begin{array}{r} 141 \\ \times\ 5 \\ \hline 705 \end{array}$ (d) $\begin{array}{r} 442 \\ \times\ 3 \\ \hline 1326 \end{array}$

11. Number of chocolates in one jar = 54
Total jar = × 7
Number of chocolates in 7 jar = **378**
Hence, 7 Jar has 378 chocolates.

12. Use the number line for division and fill in the boxes:



$21 \div 3 = \mathbf{7}$

13. Divide:

(a) $8\overline{)64}\,(8$ -64 $\overline{0}$ (b) $5\overline{)45}\,(9$ -45 $\overline{0}$ (c) $9\overline{)72}\,(8$ -72 $\overline{0}$ (d) $7\overline{)49}\,(7$ -49 $\overline{0}$

14. Each child will get the toffees $= 64 \div 8$
$= 8$
Hence, each child get 8 toffees.

$8\overline{)64}\,(8$ -64 $\overline{0}$

15. Fill in the boxes:

(a) $9+9+9+9+9 = \mathbf{45}$ (b) $19 \times \mathbf{4} = 76$ (c) $7 \times 9 = \mathbf{63}$
(c) $121 \div \mathbf{11} = 11$ (e) $714 - 368 = \mathbf{356}$ (f) $64 + \mathbf{32} = 96$

Chapter 2 : Three and four digit numbers

Exercise 2.1

1. Write teh numerals for the following number names:

(a) 2405 (b) 6342 (c) 9094 (d) 2224
(e) 4940 (f) 7949

2. Write the numbers in between:

(a) 6503, 6504, 6505 (b) 3333, 3334, 3335
(c) 1128, 1127, 1126 (d) 3236, 3237, 3238

3. For each of the following write teh next five numbers:

(a) 4556 4557, 4558, 4559, 4560, 4561
(b) 6875 6876, 6877, 6878, 6879, 6880
(c) 4632 4633, 4634, 4635, 4636, 4637
(d) 7949 7950, 7951, 7952, 7953, 7954

4. Counting by five, write numbers from:

(a) 3435 to 3455 3435, 3440, 3445, 3450, 3455
(b) 2725 to 2745 2725, 2730, 2735, 2740, 2745
(c) 2872 to 2892 2872, 2877, 2882, 2887, 2892

5. Counting by tens write numbers in between:

(a) 2542 and 2592 2552, 2562, 2572, 2582, 2592
(b) 3481 and 3431 3471, 3461, 3451, 3441, 3431
(c) 4050 and 4000 4040, 4030, 4020, 4010, 4000

6. Counting by hundreds, write five numbers after:

(a) 2125 2225, 2325, 2425, 2525, 2625
(b) 1473 1573, 1673, 1773, 1873, 1973
(c) 3640 3740, 3840, 3940, 4040, 4140

7. Counting by thousands, write five numbers after:

(a) 4682 5682, 6682, 7682, 8682, 9682
(b) 2225 3225, 4225, 5225, 6225, 7225
(c) 3582 4582, 5582, 6582, 7582, 8582

8. Write the next numbers:

(a) 4643, 4647, 4651, 4655 (b) 7314, 7317, 7320, 7323
(c) 6955, 6965, 6975, 6985 (d) 8520, 8620, 8720, 8820

Exercise 2.2

1. Write the numerals for the following number names:

(a) 4649 (b) 9704 (c) 7095 (d) 8807 (e) 5064

2. Write the number names for the following numerals:

(a) 5643 = five thousand six hundred forty-three

(b) 5406 = five thousand four hundred six
(c) 7907 = seven thousand nine hundred seven
(d) 9286 = nine thousand two hundred eighty-six
(e) 3016 = three thousand sixteen

3. Rewrite the following numbers using the digits in the reverse order:

(a) 3479 (b) 7821 (c) 9567 (d) 6729

4. Rewrite the following numbers after interchanging the digits at the thousands and tens places:

(a) 7536 (b) 5387 (c) 7496 (d) 3764

Exercise 2.3

1. Write the place value of each digit in 4643

4000, 600, 40, 3

2. Write the place value of coloured digits:

(a) Place value of 3 = 3 × 100 = 300
(b) Place value of 2 = 2 × 10 = 20
(c) Place value of 9 = 9 × 1000 = 9000
(d) Place value of 4 = 4 × 100 = 400
(e) Place value of 3 = 3 × 1 = 3
(f) Place value of 6 = 6 × 100 = 600

3. Find the difference in the place values of two fives in 5452.

Place value of 5 in tens place = 5 × 10 = 50
Place value of 5 in thousand place = 5 × 1000 = 5000
Now, difference of two place values = 5000 – 50
= 4950

4. Find the sum of the place values of triple three in 3331

Place value of 3 thousand place = 3 × 1000 = 3000
Place value of 3 in hundreds place = 3 × 100 = 300
Place value of 3 in tens place = 3 × 10 = 30
The sum of the place values of triple three = 3000 + 300 + 30
= 3330

5. Tick (✓) the correct statements:

(b) and (d)

Exercise 2.4

1. Write the following numbers in the expanded form:

(a) 2000 + 700 + 20 +5 (b) 6000 + 600 + 4

(c) 4000 + 700 + 10 + 6 (d) 3000 + 400 + 30

(e) 2000 + 100 + 30 +5 (f) 8000 + 400 + 50 + 6

2. Write the short form of the following numbers:

(a) 4335 (b) 7607 (c) 5683 (d) 2935

(e) 1500 (f) 2009

3. Fill in the boxes:

(a) 4245 = **4** thousands + **2** hundreds + **4** tens + **5** ones

(b) 7741 = **7** thousands + **7** hundreds + **4** tens + **1** one

(c) 4106 = **4** thousands + **1** hundred + **0** ten + **6** ones

(d) 8739 = **8** thousands + **7** hundreds + **3** tens + **9** ones

(e) 9999 = **9** thousands + **9** hundreds + **9** tens + **9** ones

(f) 2451 = **2** thousands + **4** hundreds + **5** tens + **1** one

(g) 6020 = **6** thousands + **0** hundred + **2** tens + **0** one

Exercise 2.5

1. Fill in the boxes using >, < or = :

(a) 2825 < 3890 (b) 8592 = 8592 (c) 9654 > 7469

(d) 8735 > 5648 (e) 7305 < 8054 (f) 5780 = 5780

(g) 9682 > 9589 (h) 7605 = 7605 (i) 1999+1 = 2000

(j) 4209 > four thousand twenty-nine

(k) 5056 = 5000 + 0 + 50 + 6

2. Encircle the greatest number:

(a) 8825 (b) 9825 (c) 98222 (d) 9728

(e) 9925 (f) 9892

3. Encircle the smallest number:

(a) 1850 (b) 3383 (c) 2840 (d) 2240

(e) 5325 (f) 1920

4. Write the greatest 4-digit number (without repeating a digit) from the following four digits in the boxes:

(a) 9765 (b) 8765 (c) 6540 (d) 7430

5. Write the smallest 4-digit number (using each digit only once) from the following four digits in the boxes:

(a) 2347 (b) 2379 (c) 2345 (d) 2789

Exercise 2.6

1. Write the successor of each of the following numbers in boxes:

(a) 5046 (b) 7922 (c) 9060 (d) 5752

(e) 7378 (f) 7036

2. Write the predecessor of each of the following numbers in boxes:

(a) 7233 (b) 3976 (c) 2772 (d) 5996

(e) 4112 (f) 5700

3. Answer the following questions:

(a) 1001 (b) 10000 (c) 999 (d) 9998

4. Rewrite the following numbers in ascending order:

(a) 377, 2472, 5271, 7354, 9513 (b) 79, 314,2117, 2775, 9392

(c) 53, 211, 2295, 4717, 7723 (d) 27, 521, 1475, 2075, 4243

5. Rewrite the following numbers in descending order:

(a) 5790, 4473, 2173, 533, 73 (b) 9320, 7714, 1475, 395, 27

(c) 5774, 4217, 2151, 925, 95

(d) 9723, 7235, 7109, 5752, 4707

6. Write the smallest and the greatest 2 digit number (without repeating a digit) from the following digits:

(a) 24, 74 (b) 57, 97 (c) 34, 74

7. The five 4 digit numbers using 7, 3, 2, 0 are:
2307, 2370, 3072, 2037, 2073.
Here, the greatest number is 3072.
The next smaller number is 2370.
The other numbers less than 2370 are 2307, 2073 and 2037.
The given numbers when arranged in ascending order are:
2037, 2073, 2307, 2370 and 3072

8. The five 4 digit numbers using 7, 7, 9, 3 are:
9377, 7937, 9773, 7793, 9737
Here, the greatest number is 9773.
The next smaller 9737.
The other numbers less than 9737 are 9377, 7937 and 7793.
The given numbers when arranged in descending order are :
9773, 9737, 9377, 7937 and 7793.

9. The four 4-digit numbers using 1, 2, 5, 7 are :

2517, 2157, 2571 and 1257.

Here, the greatest number is 2571.

The next smaller number is 2517.

The other numbers less than 2517 are 2157 and 1257.

The given numbers when arranged in ascending order are :

1257, 2157, 2517 and 2571

10. No

Chapter 3 : Addition

Exercise 3.1

1. Add :

(a)

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

(b)

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

(c)

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

(d)

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

(e)

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

(f)

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

(g)

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

(h)

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

(i)

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

(j)

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

(k)

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

(l)

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

2. Arrange in columns and find the sum of:

(a)

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

(b)

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

(c)

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

3. (a)

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

(b)

	H	T	O
	1	**2**	3
+	3	2	4
	4	4	7

(c)

	H	T	O
	4	**4**	0
+	**3**	3	2
	7	7	2

(d)

	H	T	O
	4	**3**	**5**
+	**1**	4	3
	5	7	8

(e)

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

(f)

	H	T	O
	1	7	3
+	**3**	2	**3**
	4	9	6

(g)

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

(h)

	H	T	O
	1	1	**2**
+	**2**	2	3
+	1	**4**	4
	4	7	9

(i)

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

Exercise 3.2

1. Add:

(a)

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

(b)

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

(c)

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

(d)

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

(e)

	H	T	O
	2	2	1
+	3	5	8
	5	7	9

(f)

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

(g)

	H	T	O
	2	3	7
+	4	3	2
+	2	4	0
	9	0	9

(h)

	H	T	O
	7	0	5
+	3	5	2
+	1	6	3
1	2	2	0

(i)

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

(j)

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

(k)

	H	T	O
	2	3	3
+	2	8	5
+	1	0	3
	6	2	1

(l)

	H	T	O
	2	3	7
+	2	7	2
+	1	2	1
	6	3	0

(m)

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

(n)

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

(o)

	H	T	O
	2	3	3
+	1	5	9
+	1	2	5
	5	1	7

2. Arrange in columns and find the sum of:

(a)

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

(b)

H	T	O
3	5	8
+ 2	9	5
6	5	3

(c)

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

(d)

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

(e)

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

(f)

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

3. Fill in the boxes:

(a)

	H	T	O
	4	3	8
+	**1**	7	**6**
	6	1	4

(b)

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

(c)

	H	T	O
	4	5	6
+	**1**	5	**8**
	6	1	4

(d)

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

(e)

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

(f)

	H	T	O
	4	2	**8**
+	**2**	9	6
	7	2	4

(g)

	H	T	O
	3	2	8
+	1	6	**2**
+	2	**3**	6
	7	2	6

(h)

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

(i)

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

(j)

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

(k)

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

(l)

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

(m)

	H	T	O
	2	3	8
+		8	**8**
+	1	**2**	2
	4	4	8

(n)

	H	T	O
	1	**2**	7
+	2	6	7
+	2	1	**5**
	6	0	9

(o)

	H	T	O
	2	**3**	3
+	1	5	**9**
+	1	2	5
	5	1	7

Exercise 3.3

1. Add:

(a)

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

(b)

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

(c)

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

(d)

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

(e)

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

(f)

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

(g)

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

(h)

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

(i)

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

(j)

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

(k)

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

(l)

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

(m)

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

(n)

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

(o)

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

2. Arrange in columns and add:

(a)

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

(b)

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

(c)

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

(d)

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

(e)

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

(f)

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

3. Fill in the blanks boxes:

(a)

1	**2**	**0**	5
4	2	4	2
+ 4	3	4	0
9	7	8	7

(b)

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

(c)

5	2	1	**4**
1	**1**	**0**	2
+ 2	4	7	3
8	7	8	9

(d)

2	4	**3**	2
4	3	2	**0**
+ 1	**2**	1	4
7	9	6	6

(e)

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

(f)

3	1	1	6
1	0	4	0
+ 1	2	0	3
5	3	5	9

Exercise 3.4

1. Fill in the blanks:

(a) 2879 + 4385 = 4385 + **2879** (b) 7530 + 2359 = 2359 + **7530**

(c) **4134** + 2845 = 2845 + 4134 (d) 5425 + 3432 = 3432 + **5425**

(e) 9624 + **0** = 9624 (f) 8295 = 0 + **8295**

(g) 2012 + (1111 + **3254**) = (2012 + 1111) + 3254

2. (a) 321 + 543 + 143 = **1007** (b) 252 + 324 + 402 = **978**

(c) 310 + 552 + 232 + 117 = **1219** (d) 346 + 213 502 + 428 = **1989**

(e) 375 + 315 + 424 = **1114** (f) 513 + 243 + 322 + 432 = **1510**

(g) 357 + 135 + 244 = **736** (h) 351 + 432 + 223 + 243 = **1249**

Exercise 2.5

1. Number of first class tickets = 729
   Number of second class tickets = + 320
   Total number of tickets were sold = (1049)
   Hence, 1049 tickets were sold
2. Number of seeds in blue packet = 620
   Number of seeds in white packet = + 352
   Total number of seeds in both packets = (972)
   Hence, 972 seeds are in the two packets.
3. Number of mangoes in first basket = 624
   Number of mangoes in second basket = + 236
   Total number of mangoes in the two baskets = (860)
   Hence, 860 mangoes are in the two baskets.
4. Aman spend on mobile phone = ₹3770
   Aman spend on colour T.V. = + ₹4750
   Aman total spend = (₹8520)
   Hence, Aman spend ₹8520
5. Fisherman cutch the fishes in first day = 645
   Fisherman cutch the fishes in second day = + 950
   Total number of fishes cutch by fisherman in two days = (1595)
   Hence, 1595 fishes catch by the fisherman in two days.
6. Price of first Television = ₹ 2100
   Price of second Television = ₹ 3450
   Price of third Television = + ₹ 2430

Total price of three Television = ₹ 7980

7. The bikes were made in first year = 5854
   The bikes were made in second year = + 3432
   Total bikes were made in two years = 9286
   Hence, 9286 bikes were made in two years.

8. Factory produces bottles in first day = 728
   Factory produces bottles in second day = 816
   Factory produces bottles in third day = + 722
   Total number of bottles produces in three days = 2266
   Hence, 2266 bottles produces in three days.

9. Sachin have the stamps = 645
   Kumud have the stamps = + 375
   Total number of stamps the have altogether = 1020
   Hence, 1020 stamps they have altogether.

10. Mother dairy sold the milk in morning = 5012 litres
    Mother dairy sold the milk in evening = + 4564 litres
    Total milk sold in that day = 9576 litres
    Hence, 9576 litres milk have been sold that day.

Chapter 4 : Subtraction

Exercise 4.1

1. Subtract:

(a)

H	T	O
7	6	5
– 4	2	3
3	4	2

(b)

H	T	O
6	4	3
– 5	2	2
1	2	1

(c)

H	T	O
6	5	8
– 5	4	6
1	1	2

(d)

H	T	O
9	7	5
– 7	2	3
2	5	2

(e)

H	T	O
9	8	7
– 5	6	5
4	2	2

(f)

H	T	O
7	8	9
– 5	6	7
2	2	2

(g)

H	T	O
8	7	6
– 2	4	5
6	3	1

(h)

H	T	O
5	7	9
– 2	2	6
3	5	3

(i)

H	T	O
7	8	8
– 2	6	3
5	2	5

(j)

H	T	O
5	6	7
– 2	3	3
3	3	4

(k)

H	T	O
8	7	6
– 5	2	1
3	5	5

(l)

H	T	O
9	5	6
– 3	2	4
6	3	2

(m)

H	T	O
9	8	7
– 5	3	2
4	2	5

(n)

H	T	O
9	8	8
– 2	7	5
7	1	3

(o)

H	T	O
6	9	9
– 2	8	5
4	1	4

(p)

H	T	O
7	7	6
– 2	4	3
5	3	3

2. Find the difference between:

(a)

	7	8	6
–	3	1	3
	4	7	3

(b)

	9	7	5
–	2	4	4
	7	3	1

(c)

	8	5	9
–	2	3	8
	6	2	1

(d)

	7	9	7
–	6	8	6
	1	1	1

(e)

	4	6	9
–	1	5	9
	3	1	0

(f)

	8	8	7
–	4	2	6
	4	6	1

3. Find the difference between 9679 and 7506.

Th	H	T	O
9	6	7	9
– 7	5	0	6
2	1	7	3

Hence, difference between 9679 and 7506 is 2173

4. Find:

(a)

	9	5	8	7
–	4	4	7	1
	4	1	1	6

Hence, 9587 – 5471 = 4116

(b)

	4	8	8	4
–	3	4	6	2
	1	4	2	2

Hence, 4884 – 3462 = 1422

(c)
$$\begin{array}{r} 6\,9\,5\,9 \\ -\,4\,5\,3\,8 \\ \hline 2\,4\,2\,1 \end{array}$$

(d)
$$\begin{array}{r} 9\,4\,0\,5 \\ -\,6\,2\,0\,4 \\ \hline 3\,2\,0\,1 \end{array}$$

Hence, 6959 – 4538 = 2421

Hence, 9405 – 6204 = 3201

(e)
$$\begin{array}{r} 8\,8\,7\,2 \\ -\,2\,4\,7\,8 \\ \hline 6\,3\,9\,4 \end{array}$$

(f)
$$\begin{array}{r} 5\,7\,8\,0 \\ -\,4\,2\,4\,6 \\ \hline 1\,5\,3\,4 \end{array}$$

Hence, 8872 – 2478 = 6394

Hence, 5780 – 4246 = 1534

5. Fill in the boxes:

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

(b)
$$\begin{array}{r} \mathbf{9}\,6\,\mathbf{7} \\ -\,5\,3\,5 \\ \hline 4\,3\,2 \end{array}$$

(c)
$$\begin{array}{r} 6\,\mathbf{7}\,8 \\ -\,2\,3\,\mathbf{4} \\ \hline 4\,4\,4 \end{array}$$

(d)
$$\begin{array}{r} \mathbf{8}\,7\,8 \\ -\,5\,\mathbf{6}\,6 \\ \hline 3\,1\,2 \end{array}$$

(e)
$$\begin{array}{r} \mathbf{7}\,7\,4 \\ -\,3\,6\,\mathbf{3} \\ \hline 4\,1\,1 \end{array}$$

(f)
$$\begin{array}{r} 7\,\mathbf{4}\,9 \\ -\,\mathbf{3}\,3\,6 \\ \hline 4\,1\,3 \end{array}$$

(g)
$$\begin{array}{r} 8\,\mathbf{7}\,7 \\ -\,5\,4\,\mathbf{2} \\ \hline 3\,3\,5 \end{array}$$

(h)
$$\begin{array}{r} \mathbf{8}\,5\,5 \\ -\,2\,3\,\mathbf{1} \\ \hline 6\,2\,4 \end{array}$$

Exercise 4.2

1. Subtract:

(a)
$$\begin{array}{r} H\;T\;O \\ 8\;7\;6 \\ -\,5\;6\;8 \\ \hline 3\;0\;8 \end{array}$$

(b)
$$\begin{array}{r} H\;T\;O \\ 9\;5\;2 \\ -\,3\;9\;4 \\ \hline 5\;5\;8 \end{array}$$

(c)
$$\begin{array}{r} H\;T\;O \\ 6\;9\;1 \\ -\,4\;8\;9 \\ \hline 2\;0\;2 \end{array}$$

(d)
$$\begin{array}{r} H\;T\;O \\ 9\;0\;1 \\ -\,5\;2\;6 \\ \hline 3\;7\;5 \end{array}$$

(e)
$$\begin{array}{r} H\;T\;O \\ 9\;6\;6 \\ -\,7\;8\;8 \\ \hline 1\;7\;8 \end{array}$$

(f)
$$\begin{array}{r} H\;T\;O \\ 7\;5\;3 \\ -\,4\;7\;7 \\ \hline 2\;7\;6 \end{array}$$

(g)

	H	T	O
	6	5	3
–	1	5	5
	4	9	8

(h)

	H	T	O
	6	2	0
–	2	4	5
	3	7	5

(i)

	H	T	O
	9	2	2
–	3	6	4
	5	5	8

(j)

	H	T	O
	5	8	3
–	2	3	8
	3	4	5

(k)

	H	T	O
	8	2	3
–	2	5	6
	5	6	7

(l)

	H	T	O
	7	1	2
–	2	6	8
	4	4	4

(m)

	H	T	O
	5	2	4
–	2	1	6
	3	0	8

(n)

	H	T	O
	7	7	2
–	2	5	9
	5	1	3

(o)

	H	T	O
	6	2	1
–	2	6	4
	3	5	7

(p)

	H	T	O
	7	3	3
–	2	5	6
	4	7	7

2. Subtract :

(a)

	H	T	O
	6	2	7
–	4	6	2
	1	6	5

(b)

	H	T	O
	9	6	6
–	7	8	8
	1	7	8

(c)

	H	T	O
	7	5	3
–	5	6	7
	1	8	6

(d)

	H	T	O
	9	1	0
–	4	2	8
	4	8	2

(e)

	H	T	O
	8	0	0
–	2	0	4
	5	9	6

(f)

	H	T	O
	6	0	0
–	2	5	6
	3	4	4

3. Solve:

(a)

	H	T	O
	3	4	5
–	2	7	8
		6	7

(b)

	H	T	O
	4	2	5
–	3	4	6
		7	9

(c)

	H	T	O
	7	2	6
–	5	7	7
	1	4	9

(d)

	H	T	O
	4	7	5
–	3	9	8
		7	7

(e)

	H	T	O
	7	8	2
–	6	9	6
		8	6

(f)

	H	T	O
	9	4	7
–	8	6	9
		7	8

4. Fill in the boxes:

(a)
$$\begin{array}{r} 8\,\mathbf{9}\,1 \\ -\,\mathbf{3}\,5\,8 \\ \hline 5\,3\,3 \end{array}$$

(b)
$$\begin{array}{r} \mathbf{5}\,8\,3 \\ -\,2\,6\,7 \\ \hline 3\,1\,6 \end{array}$$

(c)
$$\begin{array}{r} 8\,\mathbf{3}\,2 \\ -\,\mathbf{6}\,7\,\mathbf{5} \\ \hline 1\,5\,7 \end{array}$$

(d)
$$\begin{array}{r} 7\,0\,\mathbf{3} \\ -\,\mathbf{2}\,3\,6 \\ \hline 4\,6\,7 \end{array}$$

(e)
$$\begin{array}{r} 4\,6\,0 \\ -\,2\,\mathbf{4}\,4 \\ \hline 2\,1\,6 \end{array}$$

(f)
$$\begin{array}{r} 7\,\mathbf{2}\,3 \\ -\,1\,4\,\mathbf{7} \\ \hline 5\,7\,6 \end{array}$$

(g)
$$\begin{array}{r} 9\,\mathbf{3}\,2 \\ -\,\mathbf{6}\,7\,\mathbf{5} \\ \hline 2\,5\,7 \end{array}$$

(h)
$$\begin{array}{r} 9\,\mathbf{2}\,5 \\ -\,6\,5\,\mathbf{8} \\ \hline 2\,6\,7 \end{array}$$

(i)
$$\begin{array}{r} 7\,\mathbf{5}\,2 \\ -\,2\,6\,\mathbf{9} \\ \hline 4\,8\,3 \end{array}$$

Exercise 4.3

1. Subtract :

(a)
$$\begin{array}{r} \text{Th}\ \text{H}\ \text{T}\ \text{O} \\ 7\ 8\ 3\ 5 \\ -\,4\ 6\ 9\ 1 \\ \hline 3\ 2\ 1\ 4 \end{array}$$

(b)
$$\begin{array}{r} \text{Th}\ \text{H}\ \text{T}\ \text{O} \\ 4\ 9\ 2\ 6 \\ -\,1\ 7\ 1\ 5 \\ \hline 3\ 2\ 1\ 1 \end{array}$$

(c)
$$\begin{array}{r} \text{Th}\ \text{H}\ \text{T}\ \text{O} \\ 6\ 3\ 4\ 5 \\ -\,4\ 2\ 3\ 4 \\ \hline 2\ 1\ 1\ 1 \end{array}$$

(d)
$$\begin{array}{r} \text{Th}\ \text{H}\ \text{T}\ \text{O} \\ 8\ 7\ 6\ 7 \\ -\,5\ 3\ 2\ 4 \\ \hline 3\ 4\ 4\ 3 \end{array}$$

(e)
$$\begin{array}{r} \text{Th}\ \text{H}\ \text{T}\ \text{O} \\ 9\ 5\ 6\ 7 \\ -\,6\ 3\ 5\ 6 \\ \hline 3\ 2\ 1\ 1 \end{array}$$

(f)
$$\begin{array}{r} \text{Th}\ \text{H}\ \text{T}\ \text{O} \\ 6\ 8\ 3\ 7 \\ -\,2\ 6\ 1\ 4 \\ \hline 4\ 2\ 2\ 3 \end{array}$$

(g)
$$\begin{array}{r} \text{Th}\ \text{H}\ \text{T}\ \text{O} \\ 9\ 2\ 8\ 4 \\ -\,2\ 0\ 1\ 2 \\ \hline 7\ 2\ 7\ 2 \end{array}$$

(h)
$$\begin{array}{r} \text{Th}\ \text{H}\ \text{T}\ \text{O} \\ 5\ 6\ 3\ 4 \\ -\,2\ 3\ 2\ 3 \\ \hline 3\ 3\ 1\ 1 \end{array}$$

(i)
$$\begin{array}{r} \text{Th}\ \text{H}\ \text{T}\ \text{O} \\ 8\ 9\ 7\ 7 \\ -\,2\ 3\ 5\ 5 \\ \hline 6\ 6\ 2\ 2 \end{array}$$

(j)
$$\begin{array}{r} \text{Th}\ \text{H}\ \text{T}\ \text{O} \\ 2\ 6\ 4\ 9 \\ -\,1\ 4\ 0\ 2 \\ \hline 1\ 2\ 4\ 7 \end{array}$$

(k)
$$\begin{array}{r} \text{Th}\ \text{H}\ \text{T}\ \text{O} \\ 4\ 8\ 5\ 2 \\ -\,2\ 4\ 3\ 1 \\ \hline 2\ 4\ 2\ 1 \end{array}$$

(l)
$$\begin{array}{r} \text{Th}\ \text{H}\ \text{T}\ \text{O} \\ 6\ 5\ 7\ 8 \\ -\,3\ 5\ 1\ 7 \\ \hline 3\ 0\ 1\ 6 \end{array}$$

(m)
$$\begin{array}{r} \text{Th}\ \text{H}\ \text{T}\ \text{O} \\ 7\ 9\ 6\ 1 \\ -\,5\ 2\ 2\ 2 \\ \hline 2\ 7\ 4\ 2 \end{array}$$

(n)
$$\begin{array}{r} \text{Th}\ \text{H}\ \text{T}\ \text{O} \\ 2\ 7\ 5\ 2 \\ -\,1\ 2\ 4\ 0 \\ \hline 1\ 5\ 1\ 2 \end{array}$$

(o)
$$\begin{array}{r} \text{Th}\ \text{H}\ \text{T}\ \text{O} \\ 6\ 5\ 3\ 8 \\ -\,4\ 1\ 2\ 4 \\ \hline 2\ 4\ 1\ 4 \end{array}$$

(p)

	Th	H	T	O
	5	6	6	3
–	3	3	3	3
	2	3	3	0

(q)

	Th	H	T	O
	9	4	6	9
–	5	1	4	6
	4	3	2	3

(r)

	Th	H	T	O
	8	6	7	2
–	2	5	6	0
	6	1	1	2

(s)

	Th	H	T	O
	8	9	1	4
–	3	3	0	2
	5	6	1	2

2. Arrange in columns and find the difference:

(a)

	Th	H	T	O
	7	6	9	4
–	5	3	7	2
	2	3	2	2

(b)

	Th	H	T	O
	5	3	5	7
–	2	1	4	6
	3	2	1	1

(c)

	Th	H	T	O
	7	4	5	6
–	6	2	4	2
	1	2	1	4

(d)

	Th	H	T	O
	9	4	5	4
–	6	2	5	1
	3	2	0	3

(e)

	Th	H	T	O
	9	7	8	6
–	6	5	7	2
	3	2	1	4

(f)

	Th	H	T	O
	9	7	3	1
–	6	5	1	0
	3	2	2	1

(g)

	Th	H	T	O
	9	8	5	7
–	2	3	5	4
	7	5	0	3

(h)

	Th	H	T	O
	5	9	7	7
–	2	5	4	6
	3	4	3	1

(i)

	Th	H	T	O
	5	8	6	7
–	2	5	4	7
	3	3	2	0

(j)

	Th	H	T	O
	9	4	8	4
–	6	3	5	1
	3	1	3	3

(k)

	Th	H	T	O
	9	2	8	6
–	4	0	7	2
	5	2	1	4

(l)

	Th	H	T	O
	8	5	3	1
–	2	5	1	0
	6	0	2	1

(m)

	Th	H	T	O
	7	8	4	5
–	5	2	4	1
	2	6	0	4

(n)

	Th	H	T	O
	8	7	5	6
–	3	5	2	4
	5	2	3	2

(o)

	Th	H	T	O
	7	7	6	4
–	5	2	6	3
	2	5	0	1

3. Fill in the blanks:

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

(b)
$$\begin{array}{r} 9\,\mathbf{7}\,\mathbf{9}\,8 \\ -\,\mathbf{6}\,4\,6\,5 \\ \hline 3\,3\,3\,3 \end{array}$$

(c)
$$\begin{array}{r} 7\,\mathbf{9}\,3\,\mathbf{9} \\ -\,2\,6\,\mathbf{2}\,7 \\ \hline 5\,3\,1\,2 \end{array}$$

(d)
$$\begin{array}{r} 7\,6\,6\,\mathbf{4} \\ -\,2\,\mathbf{3}\,5\,3 \\ \hline 5\,3\,1\,1 \end{array}$$

(e)
$$\begin{array}{r} 8\,\mathbf{8}\,6\,8 \\ -\,3\,5\,3\,\mathbf{6} \\ \hline 5\,3\,3\,2 \end{array}$$

(f)
$$\begin{array}{r} 9\,\mathbf{5}\,3\,6 \\ -\,6\,3\,\mathbf{3}\,2 \\ \hline 3\,2\,0\,4 \end{array}$$

Exercise 3.4

1. Total cost of second hand scooty = ₹7685
   Anita sold the scoaty after one year = ₹6470
   Anina lose the money = ₹7685 – ₹6470
   = ₹1215
2. The greatest 4 digit number = 9999
   The lowest 4 digit number = 1000
   The difference between 4 digit number = 9999 – 1000
   = 8999
3. Total number of books sold by seller = 987
   Number of books sold by seller in next day = 367
   Number of books left = 987 – 367
   = 620 books
4. One thousand exceed of 674 = 1000 – 674
   = 326
5. Total number of persons = 9764
   Number of adults = 6720
   Number of childrens = 9764 – 6720
   = 3044
6. Number of students in school = 7536
   Total number of students with new admission = 7536 + 465
   = 8001
   Number of old students = 763
   Number of students in school at present = 8001 – 763
   = 7238

7. The sum of two numbers = 9246
   One number = 6235
   ∴ Other number = 9246 – 6235
   = 3011

8. Number of bottles of milk van carries = 7647
   Number of bottles of milk supplied = 6235
   The number of bottles left after supplied = 7647 – 6235
   = 1412
   The van Pick up the bottles from depot = 235
   Total number of bottles in Van now = 1412 + 235
   = 1647

9. Priya earned in February month = ₹8750
   Priya earned in March month = ₹8750 – ₹385
   = ₹8365

10. Total number of books in library = 9765
    Number of books written in Hindi = 7432
    The number of books written in other languages = 9765 – 7432
    = 2333

Chapter 5 : Multiplication

Exercise 5.1

1. Multiply:

(a)
$$\begin{array}{r} 143 \\ \times\ 2 \\ \hline 286 \end{array}$$

(b)
$$\begin{array}{r} 231 \\ \times\ 3 \\ \hline 693 \end{array}$$

(c)
$$\begin{array}{r} 111 \\ \times\ 6 \\ \hline 666 \end{array}$$

(d)
$$\begin{array}{r} 555 \\ \times\ 1 \\ \hline 555 \end{array}$$

(e)
$$\begin{array}{r} 233 \\ \times\ 3 \\ \hline 699 \end{array}$$

(f)
$$\begin{array}{r} 432 \\ \times\ 2 \\ \hline 864 \end{array}$$

(g)
$$\begin{array}{r} 134 \\ \times\ 2 \\ \hline 268 \end{array}$$

(h)
$$\begin{array}{r} 333 \\ \times\ 3 \\ \hline 999 \end{array}$$

(i)
$$\begin{array}{r} 444 \\ \times\ 2 \\ \hline 888 \end{array}$$

(j)
$$\begin{array}{r} 410 \\ \times\ 2 \\ \hline 820 \end{array}$$

(k)
$$\begin{array}{r} 233 \\ \times\ 3 \\ \hline 699 \end{array}$$

(l)
$$\begin{array}{r} 444 \\ \times\ 2 \\ \hline 888 \end{array}$$

(m) 222 × 4 = 888

(n) 689 × 1 = 689

(o) 202 × 3 = 606

(p) 111 × 9 = 999

(q) 232 × 3 = 696

(r) 234 × 2 = 968

(s) 342 × 2 = 684

2. 223 × 3 = 669

3. 404 × 2 = 808

4. 101 × 7 = 707

5. 101 × 8 = 808

6. Find the product:

(a) 333 × 2 = 666

(b) 334 × 2 = 668

(c) 332 × 2 = 664

(d) 402 × 2 = 804

(e) 767 × 1 = 767

(f) 999 × 1 = 999

Exercise 5.2

1. Multiply:

(a) $\overset{2}{2}7 \times 3 = 81$

(b) $\overset{2}{2}8 \times 3 = 84$

(c) $\overset{2}{2}7 \times 4 = 108$

(d) $\overset{2}{2}9 \times 2 = 58$

(e) $\overset{1}{3}5 \times 2 = 70$

(f) $\overset{4}{1}8 \times 5 = 90$

(g) $\overset{4}{1}9 \times 5 = 95$

(h) $\overset{1}{1}2 \times 7 = 84$

2. Find the product:

(a) 32 × 3 = 96

(b) 61 × 6 = 366

(c) 74 × 3 = 222

(d) $\begin{array}{r} 54 \\ \times\ 5 \\ \hline 270 \end{array}$ (e) $\begin{array}{r} 91 \\ \times\ 8 \\ \hline 728 \end{array}$ (f) $\begin{array}{r} 72 \\ \times\ 4 \\ \hline 288 \end{array}$

(g) $\begin{array}{r} 61 \\ \times\ 5 \\ \hline 305 \end{array}$ (h) $\begin{array}{r} 91 \\ \times\ 9 \\ \hline 619 \end{array}$ (i) $\begin{array}{r} 35 \\ \times\ 5 \\ \hline 175 \end{array}$

3. Multiply:

(a) $\begin{array}{r} {\scriptstyle 1}\ \ \\ 52 \\ \times\ 7 \\ \hline 364 \end{array}$ (b) $\begin{array}{r} {\scriptstyle 1}\ \ \\ 96 \\ \times\ 3 \\ \hline 288 \end{array}$ (c) $\begin{array}{r} {\scriptstyle 2}\ \ \\ 84 \\ \times\ 5 \\ \hline 420 \end{array}$ (d) $\begin{array}{r} {\scriptstyle 2}\ \ \\ 63 \\ \times\ 8 \\ \hline 504 \end{array}$

(e) $\begin{array}{r} {\scriptstyle 0}\ \ \\ 80 \\ \times\ 7 \\ \hline 560 \end{array}$ (f) $\begin{array}{r} {\scriptstyle 3}\ \ \\ 79 \\ \times\ 4 \\ \hline 316 \end{array}$ (g) $\begin{array}{r} {\scriptstyle 2}\ \ \\ 54 \\ \times\ 7 \\ \hline 378 \end{array}$ (h) $\begin{array}{r} {\scriptstyle 5}\ \ \\ 26 \\ \times\ 9 \\ \hline 234 \end{array}$

(i) $\begin{array}{r} {\scriptstyle 2}\ \ \\ 65 \\ \times\ 5 \\ \hline 325 \end{array}$ (j) $\begin{array}{r} {\scriptstyle 1}\ \ \\ 73 \\ \times\ 6 \\ \hline 438 \end{array}$

Exercise 5.3

1. Multiply

(a) $\begin{array}{r} {\scriptstyle 2\ 2}\ \ \\ 535 \\ \times\ 7 \\ \hline 3745 \end{array}$ (b) $\begin{array}{r} {\scriptstyle 3\ 3}\ \ \\ 356 \\ \times\ 6 \\ \hline 2136 \end{array}$ (c) $\begin{array}{r} {\scriptstyle 5\ 1}\ \ \\ 193 \\ \times\ 6 \\ \hline 1158 \end{array}$

(d) $\begin{array}{r} {\scriptstyle 3\ 3}\ \ \\ 444 \\ \times\ 8 \\ \hline 3552 \end{array}$ (e) $\begin{array}{r} {\scriptstyle 1\ 0}\ \ \\ 640 \\ \times\ 3 \\ \hline 1920 \end{array}$ (f) $\begin{array}{r} {\scriptstyle 4\ 4}\ \ \\ 355 \\ \times\ 8 \\ \hline 2840 \end{array}$

(g) $\begin{array}{r} {\scriptstyle 0\ 1}\ \ \\ 602 \\ \times\ 9 \\ \hline 7218 \end{array}$ (h) $\begin{array}{r} {\scriptstyle 0\ 0}\ \ \\ 543 \\ \times\ 2 \\ \hline 1086 \end{array}$ (i) $\begin{array}{r} {\scriptstyle 2\ 1}\ \ \\ 763 \\ \times\ 4 \\ \hline 3052 \end{array}$

(j) $\begin{array}{r} {\scriptstyle 4\ 4}\ \ \\ 268 \\ \times\ 6 \\ \hline 1608 \end{array}$ (k) $\begin{array}{r} {\scriptstyle 3\ 3}\ \ \\ 145 \\ \times\ 7 \\ \hline 1015 \end{array}$ (l) $\begin{array}{r} {\scriptstyle 1\ 4}\ \ \\ 526 \\ \times\ 7 \\ \hline 3682 \end{array}$

(m) $\begin{array}{r} {}^{0}{}^{2} \\ 527 \\ \times\ 3 \\ \hline 1581 \end{array}$ (n) $\begin{array}{r} {}^{1}{}^{2} \\ 627 \\ \times\ 5 \\ \hline 3135 \end{array}$ (o) $\begin{array}{r} {}^{1}{}^{2} \\ 624 \\ \times\ 7 \\ \hline 4368 \end{array}$

(p) $\begin{array}{r} {}^{2}{}^{5} \\ 526 \\ \times\ 9 \\ \hline 4734 \end{array}$

2. Find the product:

(a) $\begin{array}{r} {}^{1}{}^{4} \\ 518 \\ \times\ 6 \\ \hline 3108 \end{array}$ (b) $\begin{array}{r} {}^{7}{}^{6} \\ 288 \\ \times\ 8 \\ \hline 2304 \end{array}$ (c) $\begin{array}{r} {}^{5} \\ 980 \\ \times\ 3 \\ \hline 2940 \end{array}$

(d) $\begin{array}{r} {}^{1}{}^{3} \\ 625 \\ \times\ 7 \\ \hline 4375 \end{array}$ (e) $\begin{array}{r} {}^{4}{}^{1} \\ 672 \\ \times\ 6 \\ \hline 4032 \end{array}$ (f) $\begin{array}{r} 433 \\ \times\ 2 \\ \hline 866 \end{array}$

(g) $\begin{array}{r} {}^{1}{}^{2} \\ 436 \\ \times\ 4 \\ \hline 1744 \end{array}$ (h) $\begin{array}{r} {}^{1}{}^{1} \\ 634 \\ \times\ 4 \\ \hline 2536 \end{array}$ (i) $\begin{array}{r} {}^{1}{}^{1} \\ 969 \\ \times\ 2 \\ \hline 1938 \end{array}$

(j) $\begin{array}{r} {}^{1} \\ 562 \\ \times\ 2 \\ \hline 1124 \end{array}$ (k) $\begin{array}{r} {}^{3}{}^{1} \\ 653 \\ \times\ 6 \\ \hline 3918 \end{array}$ (l) $\begin{array}{r} {}^{2} \\ 762 \\ \times\ 4 \\ \hline 3048 \end{array}$

3. Multiply :

(a) $\begin{array}{r} {}^{1}{}^{2} \\ 327 \\ \times\ 4 \\ \hline 1308 \end{array}$ (b) $\begin{array}{r} {}^{1}{}^{3} \\ 825 \\ \times\ 7 \\ \hline 5775 \end{array}$ (c) $\begin{array}{r} {}^{1}{}^{1} \\ 522 \\ \times\ 8 \\ \hline 4176 \end{array}$

(d) $\begin{array}{r} {}^{5}{}^{4} \\ 665 \\ \times\ 9 \\ \hline 5985 \end{array}$ (e) $\begin{array}{r} {}^{4}{}^{1} \\ 382 \\ \times\ 6 \\ \hline 2292 \end{array}$ (f) $\begin{array}{r} {}^{1} \\ 943 \\ \times\ 3 \\ \hline 2829 \end{array}$

(g) $\begin{array}{r} {\scriptstyle 1\ 1}\\ 798\\ \times\ 2\\ \hline 1596 \end{array}$ (h) $\begin{array}{r} {\scriptstyle 1}\\ 843\\ \times\ 3\\ \hline 2529 \end{array}$ (i) $\begin{array}{r} 949\\ \times\ 1\\ \hline 949 \end{array}$

(j) $\begin{array}{r} {\scriptstyle 2\ 1}\\ 654\\ \times\ 4\\ \hline 2616 \end{array}$ (k) $\begin{array}{r} {\scriptstyle 3\ 1}\\ 663\\ \times\ 5\\ \hline 3315 \end{array}$ (l) $\begin{array}{r} {\scriptstyle 1}\\ 853\\ \times\ 3\\ \hline 2559 \end{array}$

Exercise 5.4

1. Find the following products:

(a) $\begin{array}{r} 2311\\ \times\ 2\\ \hline 4622 \end{array}$ (b) $\begin{array}{r} 1310\\ \times\ 3\\ \hline 3930 \end{array}$ (c) $\begin{array}{r} 1221\\ \times\ 4\\ \hline 4884 \end{array}$

(d) $\begin{array}{r} 3220\\ \times\ 3\\ \hline 9660 \end{array}$ (e) $\begin{array}{r} 4043\\ \times\ 2\\ \hline 8086 \end{array}$ (f) $\begin{array}{r} 2332\\ \times\ 3\\ \hline 6996 \end{array}$

(g) $\begin{array}{r} 2233\\ \times\ 2\\ \hline 4466 \end{array}$ (h) $\begin{array}{r} 1234\\ \times\ 2\\ \hline 3468 \end{array}$ (i) $\begin{array}{r} 2222\\ \times\ 4\\ \hline 8888 \end{array}$

(j) $\begin{array}{r} 1111\\ \times\ 3\\ \hline 3333 \end{array}$ (k) $\begin{array}{r} 2211\\ \times\ 4\\ \hline 8844 \end{array}$ (l) $\begin{array}{r} 1221\\ \times\ 3\\ \hline 3663 \end{array}$

(m) $\begin{array}{r} 2424\\ \times\ 2\\ \hline 4848 \end{array}$ (n) $\begin{array}{r} 1111\\ \times\ 5\\ \hline 5555 \end{array}$ (o) $\begin{array}{r} 2234\\ \times\ 2\\ \hline 4468 \end{array}$

(p) $\begin{array}{r} 1102\\ \times\ 3\\ \hline 3306 \end{array}$

2. Multiply:

(a) $\begin{array}{r} 9009\\ \times\ 1\\ \hline 9009 \end{array}$ (b) $\begin{array}{r} 2002\\ \times\ 4\\ \hline 8008 \end{array}$ (c) $\begin{array}{r} 2434\\ \times\ 2\\ \hline 4868 \end{array}$

(d)
$$\begin{array}{r} 4444 \\ \times\ 2 \\ \hline 8888 \end{array}$$

(e)
$$\begin{array}{r} 4410 \\ \times\ 2 \\ \hline 8820 \end{array}$$

(f)
$$\begin{array}{r} 3303 \\ \times\ 3 \\ \hline 9909 \end{array}$$

(g)
$$\begin{array}{r} 2222 \\ \times\ 4 \\ \hline 8888 \end{array}$$

(h)
$$\begin{array}{r} 2442 \\ \times\ 2 \\ \hline 4884 \end{array}$$

(i)
$$\begin{array}{r} 1110 \\ \times\ 6 \\ \hline 6660 \end{array}$$

(j)
$$\begin{array}{r} 2304 \\ \times\ 2 \\ \hline 4608 \end{array}$$

Exercise 5.5

1. Find the following products:

(a)
$$\begin{array}{r} 34 \\ \times\ 12 \\ \hline 408 \end{array}$$

(b)
$$\begin{array}{r} 24 \\ \times\ 22 \\ \hline 528 \end{array}$$

(c)
$$\begin{array}{r} 22 \\ \times\ 21 \\ \hline 462 \end{array}$$

(d)
$$\begin{array}{r} 44 \\ \times\ 22 \\ \hline 968 \end{array}$$

(e)
$$\begin{array}{r} 54 \\ \times\ 22 \\ \hline 1188 \end{array}$$

(f)
$$\begin{array}{r} 83 \\ \times\ 33 \\ \hline 2739 \end{array}$$

(g)
$$\begin{array}{r} 63 \\ \times\ 31 \\ \hline 1953 \end{array}$$

(h)
$$\begin{array}{r} 71 \\ \times\ 43 \\ \hline 3053 \end{array}$$

(i)
$$\begin{array}{r} 49 \\ \times\ 14 \\ \hline 686 \end{array}$$

(j)
$$\begin{array}{r} 65 \\ \times\ 27 \\ \hline 1755 \end{array}$$

(k)
$$\begin{array}{r} 80 \\ \times\ 50 \\ \hline 4000 \end{array}$$

(l)
$$\begin{array}{r} 76 \\ \times\ 48 \\ \hline 3648 \end{array}$$

(m)
$$\begin{array}{r} 57 \\ \times\ 44 \\ \hline 2508 \end{array}$$

(n)
$$\begin{array}{r} 58 \\ \times\ 48 \\ \hline 2784 \end{array}$$

(o)
$$\begin{array}{r} 90 \\ \times\ 35 \\ \hline 3150 \end{array}$$

(p)
$$\begin{array}{r} 48 \\ \times\ 35 \\ \hline 3150 \end{array}$$

2. Find the product of each of the following:

(a)
$$\begin{array}{r} 17 \\ \times\ 35 \\ \hline 85 \\ 510 \\ \hline 595 \end{array}$$

(b)
$$\begin{array}{r} 21 \\ \times\ 57 \\ \hline 147 \\ 1050 \\ \hline 1197 \end{array}$$

(c)
$$\begin{array}{r} 15 \\ \times\ 48 \\ \hline 120 \\ 600 \\ \hline 720 \end{array}$$

(d)
$$\begin{array}{r} 21 \\ \times\ 38 \\ \hline 168 \\ 630 \\ \hline 798 \end{array}$$

(e)
$$\begin{array}{r} 16 \\ \times\ 29 \\ \hline 144 \\ 320 \\ \hline 464 \end{array}$$

(f)
$$\begin{array}{r} 32 \\ \times\ 45 \\ \hline 160 \\ 1280 \\ \hline 1440 \end{array}$$

(g)
$$\begin{array}{r} 28 \\ \times\ 60 \\ \hline 00 \\ 1680 \\ \hline 1680 \end{array}$$

(h)
$$\begin{array}{r} 34 \\ \times\ 64 \\ \hline 136 \\ 2040 \\ \hline 2176 \end{array}$$

3. Multiply:

(a)
$$\begin{array}{r} 24 \\ \times\ 25 \\ \hline 120 \\ 480 \\ \hline 600 \end{array}$$

(b)
$$\begin{array}{r} 23 \\ \times\ 23 \\ \hline 69 \\ 460 \\ \hline 529 \end{array}$$

(c)
$$\begin{array}{r} 17 \\ \times\ 78 \\ \hline 136 \\ 1190 \\ \hline 1326 \end{array}$$

(d)
$$\begin{array}{r} 34 \\ \times\ 65 \\ \hline 170 \\ 2040 \\ \hline 2210 \end{array}$$

(e)
$$\begin{array}{r} 34 \\ \times\ 97 \\ \hline 238 \\ 3060 \\ \hline 3298 \end{array}$$

(f)
$$\begin{array}{r} 37 \\ \times\ 57 \\ \hline 259 \\ 1850 \\ \hline 2109 \end{array}$$

(g)
$$\begin{array}{r} 35 \\ \times\ 49 \\ \hline 315 \\ 1400 \\ \hline 1715 \end{array}$$

(h)
$$\begin{array}{r} 74 \\ \times\ 87 \\ \hline 518 \\ 5920 \\ \hline 6438 \end{array}$$

Exercise 5.6

1. Find the product of:

(a)
$$\begin{array}{r} 407 \\ \times\ 21 \\ \hline 4070 \\ 8140 \\ \hline 8547 \end{array}$$

(b)
$$\begin{array}{r} 386 \\ \times\ 22 \\ \hline 772 \\ 7720 \\ \hline 8492 \end{array}$$

(c)
$$\begin{array}{r} 223 \\ \times\ 42 \\ \hline 446 \\ 8920 \\ \hline 9366 \end{array}$$

(d)
$$\begin{array}{r} 340 \\ \times\ 17 \\ \hline 2380 \\ 3400 \\ \hline 5780 \end{array}$$

(e)
$$\begin{array}{r} 470 \\ \times\ 12 \\ \hline 940 \\ 4700 \\ \hline 5640 \end{array}$$

(f)
$$\begin{array}{r} 638 \\ \times\ 23 \\ \hline 1914 \\ 12760 \\ \hline 14674 \end{array}$$

(g)
$$\begin{array}{r} 322 \\ \times\ 24 \\ \hline 1288 \\ 6440 \\ \hline 7728 \end{array}$$

(h)
$$\begin{array}{r} 430 \\ \times\ 12 \\ \hline 860 \\ 4300 \\ \hline 5160 \end{array}$$

2. Multiply:

(a)
$$\begin{array}{r} 234 \\ \times\ 15 \\ \hline 3510 \end{array}$$

(b)
$$\begin{array}{r} 325 \\ \times\ 29 \\ \hline 9425 \end{array}$$

(c)
$$\begin{array}{r} 278 \\ \times\ 31 \\ \hline 8681 \end{array}$$

(d)
$$\begin{array}{r} 455 \\ \times\ 18 \\ \hline 8190 \end{array}$$

(e)
$$\begin{array}{r} 618 \\ \times\ 12 \\ \hline 7416 \end{array}$$

(f)
$$\begin{array}{r} 556 \\ \times\ 15 \\ \hline 8340 \end{array}$$

(g)
$$\begin{array}{r} 118 \\ \times\ 67 \\ \hline 7906 \end{array}$$

(h)
$$\begin{array}{r} 285 \\ \times\ 32 \\ \hline 9120 \end{array}$$

(i)
$$\begin{array}{r} 556 \\ \times\ 15 \\ \hline 8340 \end{array}$$

(j)
$$\begin{array}{r} 705 \\ \times\ 13 \\ \hline 9165 \end{array}$$

(k)
$$\begin{array}{r} 628 \\ \times\ 15 \\ \hline 9420 \end{array}$$

(l)
$$\begin{array}{r} 272 \\ \times\ 36 \\ \hline 9792 \end{array}$$

(m)
$$\begin{array}{r} 820 \\ \times\ 11 \\ \hline 9020 \end{array}$$

(n)
$$\begin{array}{r} 418 \\ \times\ 23 \\ \hline 9614 \end{array}$$

(o)
$$\begin{array}{r} 339 \\ \times\ 28 \\ \hline 9492 \end{array}$$

(p)
$$\begin{array}{r} 567 \\ \times\ 26 \\ \hline 14742 \end{array}$$

(q)
$$\begin{array}{r} 455 \\ \times\ 34 \\ \hline 15470 \end{array}$$

(r)
$$\begin{array}{r} 155 \\ \times\ 22 \\ \hline 3410 \end{array}$$

3. Fill in the boxes:

(a)
$$\begin{array}{r} 3\,\mathbf{4}\,1\,\mathbf{2} \\ \times\ 2 \\ \hline 6824 \end{array}$$

(b)
$$\begin{array}{r} 423\,\mathbf{3} \\ \times\ 3 \\ \hline 12699 \end{array}$$

(c)
$$\begin{array}{r} 2\,\mathbf{4}\,3\,\mathbf{5} \\ \times\ 5 \\ \hline 12175 \end{array}$$

(d)
$$\begin{array}{r} 5\,\mathbf{6} \\ \times\ \mathbf{5}\,5 \\ \hline 280 \\ +\,28\mathbf{0}\,0 \\ \hline 3080 \end{array}$$

(e)
$$\begin{array}{r} \mathbf{6}\,5 \\ \times\ 2\,\mathbf{4} \\ \hline 2\mathbf{6}0 \\ +\,1300 \\ \hline 1560 \end{array}$$

(f)
$$\begin{array}{r} 383 \\ \times\ \mathbf{2}\,\mathbf{3} \\ \hline 1149 \\ +\,7\mathbf{6}\mathbf{6}0 \\ \hline 8809 \end{array}$$

Exercise 5.7

1. Multiply each of the following by 10:

(a) 32×10 = 320 (b) 56×10 = 560 (c) 41×10 = 410
(d) 84×10 = 840 (e) 99×10 = 990 (f) 21×10 = 210
(g) 52×10 = 520 (h) 40×10 = 400 (i) 25×10 = 250
(i) 15×10 = 150 (k) 56×10 = 560 (l) 46×10 = 460

2. Find the product:

(a) 17×50 = 17×5×10 = 85×10 = 850
(b) 11×30 = 11×3×10 = 33×10 = 330
(c) 9×20 = 9×2×10 = 18×10 = 180
(d) 19×40 = 19×4×10 = 76×10 = 760
(e) 28×60 = 28×6×10 = 168×10 = 1680
(f) 37×70 = 37×7×10 = 259×10 = 2590
(g) 39×80 = 39×8×10 = 312×10 = 3120
(h) 55×90 = 55×9×10 = 495×10 = 4950
(l) 25×40 = 25×4×10 = 100×10 = 1000

3. Fill in the box:

(a) 11 × 5 = **55** (b) 42 × 6 = **252** (c) 46 × 7 = **322**
(d) 37 × 7 = **178** (e) 99 × 3 = **297** (f) 28 × 4 = **112**
(g) 87 × 3 = **261** (h) 33 × 5 = **165** (i) 24 × 6 = **144**

Exercise 5.8

1. Find the product:

(a) 5×400 = 5 × 4 hundreds

= 20 hundreds = 2000

(b) 4×200 = 4 × 2 hundreds
= 8 hundreds = 800

(c) 6×300 = 6 × 3 hundreds
= 18 hundreds = 1800

(d) 2×300 = 2 × 3 hundreds
= 6 hundreds = 600

(e) 8×100 = 8 × 1 hundreds
= 8 hundreds = 800

(f) 4×500 = 4 × 5 hundreds
= 20 hundreds = 2000

(g) 5×700 = 5 × 7 hundreds
= 35 hundreds = 3500

(h) 8×800 = 8 × 8 hundreds
= 64 hundreds = 6400

(i) 9×900 = 9 × 9 hundreds
= 81 hundreds = 8100

2. Multiply:

(a) 16×200 = 16 × 2 hundreds
= 32 hundreds = 3200

(b) 12×600 = 12 × 6 hundreds
= 72 hundreds = 7200

(c) 26×300 = 26 × 3 hundreds
= 78 hundreds = 7800

(d) 13×700 = 13 × 7 hundreds
= 91 hundreds = 9100

(e) 19×400 = 19 × 4 hundreds
= 76 hundreds = 7600

(f) 13×500 = 13 × 5 hundreds
= 65 hundreds = 6500

(g) 12×800 = 12 × 8 hundreds
= 96 hundreds = 9600

(h) 11×900 = 11 × 9 hundreds
= 99 hundreds = 9900

(i) 25×300 = 25 × 3 hundreds
= 75 hundreds = 7500

Exercise 5.9

1. The number of mangoes in one box = 95

The number of mangoes in 7 boxes = 95×7 = 665
Hence, 665 mangoes are in 7 boxes.

2. A bus travels a distance in one hour = 85 km
   A bus travels a distance in 18 hours = 85×18 km
   = 1530 km
   Hence, a bus 1530 km travels in 18 hours.
3. A plane can carry passengers in one trip = 212
   A plane can carry passengers in 15 trips = 212 × 15
   = 3180
   Hence, a plane can carry 3180 passengers in 15 trips.
4. Rakhi can read the pages in one day = 115
   Rakhi can read the pages in 19 days = 115×19
   = 2185
   Hence, Rakhi 2185 pages read in 19 days.
5. Number of match-sticks in one box = 65
   Number of match-stick in 64 boxes = 65 × 64
   = 4160
   Hence, 4160 match-sticks in 64 boxes.
6. Number of pages in one book = 96
   Number of pages in 72 books = 96 × 72 = 6912
   Hence, 6912 pages are in 72 books.
7. Cost of one sewing machine = ₹1427
   Cost of 6 sewing machines = ₹1427 × 6 = ₹8562
   Hence, the cost of 6 sewing machines is ₹8562.
8. One box contains = 58 apples
   60 boxes contains = 58 × 60 apples = 3480 apples
   Hence 60 boxes contains 3480 apples.
9. Number of buttons in one box = 144
   Number of buttons in 6 boxes = 144 × 6 = 864
   Hence, Zia bought 864 buttons.
10. Number of books in one almirah = 75
    Number of books in 39 almirahs = 75 × 39 = 2925
    Hence, 2925 books are in school library.
11. Number of petals in one flower = 9
    Number of petals in 108 flowers = 9 × 108 = 972
    Hence, 972 petals in 108 flowers.
12. Number of sweets in one box = 160
    Number of sweets in 5 boxes = 160 × 5 = 800

Hence, 800 sweets are in 5 boxes.

13. The cost of one computer = ₹9450
    The cost of 35 computers = ₹9450 × 35
    = ₹330750
    Hence, the cost of 35 computers is ₹330750.
14. One worker get the salary in one month = ₹2560
    242 workers will get the salary in one month = ₹2560×242
    = ₹619520
    Hence, 242 workers gets ₹619520 in one month.
15. The cost of one mobile phone = ₹3240
    The cost of 162 mobile phones = ₹3240 × 160
    = ₹158400
    Hence, the cost of 162 mobile phones in ₹158400.

Chapter 6 : Division

Exercise 6.1

1. Divide the following and find the quotient:

(a) 18 ÷ 18 = **1** (b) 11 ÷ 1 = **11** (c) 24 ÷ 1 = **24**
(d) 12 ÷ 12 = **1** (e) 0 ÷ 15 = **0** (f) 75 ÷ 75 = **1**
(g) 35 ÷ **1** = 35 (h) 48 ÷ **1** = 48 (i) 59 ÷ 1 = **59**
(j) 75 ÷ **1** = 75 (k) 0 ÷ 45 = **0** (l) 0 ÷ 81 = **0**

Exercise 6.2

1. Find the quotient and remainder. Also verify the answer:

(a) $7\overline{)21}\,(3$, -21, 0

(b) $3\overline{)15}\,(5$, -15, 0

(c) $6\overline{)24}\,(4$, -24, 0

(d) $4\overline{)16}\,(4$, -16, 0

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

(f) $6\overline{)42}\,(7$, -42, 0

(g) $5\overline{)20}\,(4$, -20, 0

(h) $7\overline{)35}\,(5$, -35, 0

(i) $7\overline{)35}\,(5$, -35, 0

(j) $7\overline{)35}\,(5$, -35, 0

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

(l) $3\overline{)642}\ (214$
$-6\downarrow$
4
$-3\downarrow$
12
-12
0

(m) $9\overline{)288}\ (32$
$-27\downarrow$
18
-18
0

(n) $4\overline{)228}\ (57$
$-28\downarrow$
28
-28
0

(o) $5\overline{)575}\ (115$
$-5\downarrow$
7
$-5\downarrow$
25
-25
0

(p) $9\overline{)837}\ (93$
$-81\downarrow$
27
-27
0

(q) $7\overline{)434}\ (62$
$-42\downarrow$
14
-14
0

(r) $5\overline{)125}\ (25$
$-10\downarrow$
25
-25
0

(s) $4\overline{)132}\ (33$
$-12\downarrow$
12
-12
0

(t) $5\overline{)145}\ (29$
$-10\downarrow$
45
-45
0

(u) $3\overline{)396}\ (132$
$-3\downarrow$
9
$-9\downarrow$
6
-6
0

(v) $3\overline{)606}\ (202$
$-6\downarrow$
0
$-0\downarrow$
6
-6
0

(w) $9\overline{)999}\ (111$
$-9\downarrow$
9
$-9\downarrow$
9
-9
0

(x) $2\overline{)648}\ (324$
$-6\downarrow$
4
$-4\downarrow$
8
-8
0

(y) $6\overline{)864}\ (144$
$-6\downarrow$
26
$-24\downarrow$
24
-24
0

Exercise 6.3

1. Find the quotient and remainder. Also verify the answer:

(a)
$$\begin{array}{r} 12 \\ 3\overline{)38} \\ -3\downarrow \\ \hline 8 \\ -6 \\ \hline 2 \end{array}$$

Thus, the quotient = 12 and remainder = 2

Verification : We know that, divisor X quotient X remainder = dividend $= 3\times12+2=36+2=38=$ dividend

Hence, answer is correct.

(b)
$$\begin{array}{r} 11 \\ 4\overline{)45} \\ -4\downarrow \\ \hline 5 \\ -4 \\ \hline 1 \end{array}$$

Thus, the quotient = 11 and reaminder = 1

Verification : We know that , divisor × quotient + remainder = dividend $= 4\times11+1=44+1=45=$ dividend

Hence, the answer is correct.

(c)
$$\begin{array}{r} 43 \\ 2\overline{)86} \\ -8\downarrow \\ \hline 6 \\ -6 \\ \hline 0 \end{array}$$

Thus, the quotient = 43 and remainder = 0

Verification : We know that, divisor × quotient + remainder = dividend $= 2\times43+0=86+0=86=$ dividend

Hence, the answer is correct.

(d)
$$\begin{array}{r} 15 \\ 5\overline{)77} \\ -5\downarrow \\ \hline 27 \\ -25 \\ \hline 2 \end{array}$$

Thus, the quotient = 15 and remainder = 4

Verification : We know that, division × quotient + remainder = dividend $= 5 \times 15 + 2 = 75 + 2 = 77 =$ dividend

Hence, the answer is correct.

(e)

$$\begin{array}{r|l} 6 & 82 \;(13 \\ & -6\downarrow \\ \hline & 22 \\ & -18 \\ \hline & 4 \\ \hline \end{array}$$

Thus, the quotient = 13 and remainder = 4

Verification : We know that, divisor × quotient + remainder = dividend $= 6 \times 13 + 4 = 78 + 4 = 82 =$ dividend

Hence, the answer is correct.

(f)

$$\begin{array}{r|l} 5 & 58 \;(11 \\ & -5\downarrow \\ \hline & 8 \\ & -5 \\ \hline & 3 \\ \hline \end{array}$$

Thus, the quotient = 11 and remainder = 3

Verification : We know that, divisor × quotient + remainder = dividend $= 5 \times 11 + 3 = 55 + 3 = 58 =$ dividend

Hence, the answer is correct.

(g)

$$\begin{array}{r|l} 6 & 69 \;(11 \\ & -6\downarrow \\ \hline & 9 \\ & -6 \\ \hline & 3 \\ \hline \end{array}$$

Thus, the quotient = 11 and remainder = 3

Verification : We know that, divisor × quotient + remainder = dividend $= 6 \times 11 + 3 = 66 + 3 = 69 =$ dividend

Hence, the answer is correct.

(h)

$$\begin{array}{r|l} 6 & 72 \;(12 \\ & -6\downarrow \\ \hline & 12 \\ & -12 \\ \hline & 0 \\ \hline \end{array}$$

Thus, the quotient = 12 and remainder = 0

Verification : We know that, divisor × quotient + remainder = dividend $= 6 \times 12 + 0 = 72 + 0 = 72 =$ dividend

Hence, the answer is correct.

(i)

$$\begin{array}{r|l} 8 & 99 \;(12 \\ & -8 \\ \hline & 19 \\ & -16 \\ \hline & 3 \\ \hline \end{array}$$

Thus, the quotient = 12 and remainder = 3

Verification : We know that, divisor × quotient + remainder = dividend $= 8 \times 12 + 3 = 96 + 3 = 99 =$ dividend

Hence, the answer is correct.

(j)

$$\begin{array}{r|l} 7 & 63 \;(9 \\ & -63 \\ \hline & 0 \\ \hline \end{array}$$

Thus, the quotient = 9 and remainder = 0

Verification : We know that, divisor × quotient + remainder = dividend $= 7 \times 9 + 0 = 63 + 0 = 63 =$ dividend

Hence, the answer is correct.

(k)

$$\begin{array}{r|l} 5 & 45 \;(9 \\ & -45 \\ \hline & 0 \\ \hline \end{array}$$

Thus, the quotient = 9 and remainder = 0

Verification : We know that, divison × quotient + remainder = dividend $= 5 \times 9 + 0 = 45 + 0 = 45 =$ dividend

Hence, the answer is correct.

(l)

$$\begin{array}{r|l} 3 & 87 \;(29 \\ & -6 \\ \hline & 27 \\ & -27 \\ \hline & 0 \\ \hline \end{array}$$

Thus, the quotient = 29 and remainder = 0

Verification : We know that, divisor × quotient + remainder = dividend $= 3 \times 29 + 0 = 87 + 0 = 87 =$ dividend

Hence, the answer is correct.

(m)
$$\begin{array}{r|l} 3 & 99 \\ -9\downarrow & \\ \hline 9 & \\ -9 & \\ \hline 0 & \end{array} \quad 33$$

Thus, the quotient = 33 and remainder = 0

Verification : We know that, divisor × quotient + remainder = dividend $= 3 \times 33 + 0 = 99 + 0 = 99 =$ dividend

Hence, the answer is correct.

(n)
$$\begin{array}{r|l} 8 & 56 \\ -56 & \\ \hline 0 & \end{array} \quad 7$$

Thus, the quotient = 7 and remainder = 0

Verification : We know that, divisor × quotient+remainder = dividend $= 8 \times 7 + 0 = 56 + 0 = 56 =$ dividend

Hence, the answer is correct.

(o)
$$\begin{array}{r|l} 6 & 66 \\ -6\downarrow & \\ \hline 6 & \\ -6 & \\ \hline 0 & \end{array} \quad 11$$

Thus, the quotient = 11 and remainder = 0

Verification : We know that, divisor × quotient + remainder = dividend $= 6 \times 11 + 0 = 66 + 0 = 66 =$ dividend

Hence, the answer is correct.

(p)
$$\begin{array}{r|l} 2 & 96 \\ -8\downarrow & \\ \hline 16 & \\ -16 & \\ \hline 0 & \end{array} \quad 48$$

Thus, the quotient = 48 and remainder = 0

Verification : We know that, divisor × quotient + remainder = dividend $= 2 \times 48 + 0 = 96 + 0 = 96 =$ dividend

Hence, the answer is correct.

2. Divide the following:

(a) $2\overline{)276}\,(138$
-2
7
-6
16
-16
0

(b) $7\overline{)784}\,(112$
-7
8
-7
14
-14
0

(c) $4\overline{)979}\,(244$
-8
17
-16
19
-16
3

(d) $4\overline{)474}\,(118$
-4
7
-4
34
-32
2

(e) $8\overline{)967}\,(120$
-8
16
-16
7

(f) $6\overline{)818}\,(137$
-6
21
-18
38
-36
2

(g) $3\overline{)672}\,(224$
-6
7
-6
12
-12
0

(h) $3\overline{)621}\,(207$
-6
2
-0
21
-21
0

(i) $8\overline{)854}\,(106$
-8
5
-0
54
-48
6

(j) $5\overline{)475}\,(95$
-45
25
-25
0

(k) $2\overline{)703}\,(351$
-6
10
-10
3
-2
1

(l) $7\overline{)764}\,(109$
-7
6
-0
64
-63
1

3. Solve the following

(a) $3\overline{)2315}\,(1157$
-2
3
-2
11
-10
15
-14
1

(b) $8\overline{)6567}\,(820$
-64
16
-16
7
-0
7

(c) $6\overline{)3348}\,(558$
-30
34
-30
48
-48
0

(d)
$$\begin{array}{r|l} 3 & 3153 \\ -3 & \hline 1 & \\ -0 & \hline 15 & \\ -15 & \hline 03 & \\ -3 & \hline 0 & \end{array} \quad 1051$$

(e)
$$\begin{array}{r|l} 4 & 3212 \\ -32 & \hline 1 & \\ -0 & \hline 12 & \\ -12 & \hline 0 & \end{array} \quad 803$$

(f)
$$\begin{array}{r|l} 2 & 1985 \\ -18 & \hline 18 & \\ -18 & \hline 05 & \\ -4 & \hline 1 & \end{array} \quad 992$$

(g)
$$\begin{array}{r|l} 7 & 9526 \\ -7 & \hline 25 & \\ -21 & \hline 42 & \\ -42 & \hline 6 & \\ -0 & \hline 6 & \end{array} \quad 1360$$

(h)
$$\begin{array}{r|l} 8 & 8132 \\ -8 & \hline 1 & \\ -0 & \hline 13 & \\ -8 & \hline 52 & \\ -48 & \hline 4 & \end{array} \quad 1016$$

(i)
$$\begin{array}{r|l} 7 & 6543 \\ -63 & \hline 24 & \\ -21 & \hline 33 & \\ -28 & \hline 5 & \end{array} \quad 934$$

(j)
$$\begin{array}{r|l} 5 & 5759 \\ -5 & \hline 7 & \\ -5 & \hline 25 & \\ -25 & \hline 9 & \\ -5 & \hline 4 & \end{array} \quad 1151$$

(k)
$$\begin{array}{r|l} 6 & 4292 \\ -42 & \hline 9 & \\ -6 & \hline 32 & \\ -30 & \hline 2 & \end{array} \quad 715$$

(l)
$$\begin{array}{r|l} 3 & 2923 \\ -27 & \hline 22 & \\ -21 & \hline 13 & \\ -12 & \hline 1 & \end{array} \quad 974$$

Exercise 6.4

1. Find the quotient and the remainder:

(a)
$$\begin{array}{r|l} 10 & 71 \\ -70 & \hline 1 & \end{array} \quad 7$$

Quiotent = 7
Reminder = 1

(b)
$$\begin{array}{r|l} 10 & 53 \\ -50 & \hline 3 & \end{array} \quad 5$$

Quiotent = 5
Reminder = 3

(c)
$$\begin{array}{r|l} 10 & 58 \\ -50 & \hline 8 & \end{array} \quad 5$$

Quiotent = 5
Reminder = 8

(d)
$$\begin{array}{r|l} 10 & 70 \\ -70 & \\ \hline 0 & \end{array}\ 7$$
Quiotent = 7
Reminder = 0

(e)
$$\begin{array}{r|l} 10 & 75 \\ -70 & \\ \hline 5 & \end{array}\ 7$$
Quiotent = 7
Reminder = 5

(f)
$$\begin{array}{r|l} 10 & 66 \\ -60 & \\ \hline 6 & \end{array}\ 6$$
Quiotent = 6
Reminder = 6

(g)
$$\begin{array}{r|l} 10 & 87 \\ -80 & \\ \hline 7 & \end{array}\ 8$$
Quiotent = 8
Reminder = 7

(h)
$$\begin{array}{r|l} 10 & 95 \\ -90 & \\ \hline 5 & \end{array}\ 9$$
Quiotent = 9
Reminder = 5

(i)
$$\begin{array}{r|l} 10 & 34 \\ -30 & \\ \hline 4 & \end{array}\ 3$$
Quiotent = 3
Reminder = 4

(j)
$$\begin{array}{r|l} 10 & 46 \\ -40 & \\ \hline 6 & \end{array}\ 4$$
Quiotent = 4
Reminder = 6

(k)
$$\begin{array}{r|l} 10 & 96 \\ -90 & \\ \hline 6 & \end{array}\ 9$$
Quiotent = 9
Reminder = 6

(l)
$$\begin{array}{r|l} 10 & 88 \\ -80 & \\ \hline 8 & \end{array}\ 8$$
Quiotent = 8
Reminder = 8

2. Solve the following:

(a)
$$\begin{array}{r|l} 10 & 522 \\ -50\downarrow & \\ \hline 22 & \\ -20 & \\ \hline 2 & \end{array}\ 52$$

(b)
$$\begin{array}{r|l} 10 & 538 \\ -50\downarrow & \\ \hline 38 & \\ -30 & \\ \hline 8 & \end{array}\ 53$$

(c)
$$\begin{array}{r|l} 10 & 808 \\ -80\downarrow & \\ \hline 8 & \\ -0 & \\ \hline 8 & \end{array}\ 80$$

(d)
$$\begin{array}{r|l} 10 & 545 \\ -50\downarrow & \\ \hline 45 & \\ -40 & \\ \hline 5 & \end{array}\ 54$$

(e)
$$\begin{array}{r|l} 10 & 423 \\ -40\downarrow & \\ \hline 23 & \\ -20 & \\ \hline 3 & \end{array}\ 42$$

(f)
$$\begin{array}{r|l} 10 & 628 \\ -60\downarrow & \\ \hline 28 & \\ -20 & \\ \hline 8 & \end{array}\ 62$$

(g)
$$\begin{array}{r|l} 10 & 559 \\ -50\downarrow & \\ \hline 59 & \\ -50 & \\ \hline 9 & \end{array}\ 55$$

(h)
$$\begin{array}{r|l} 10 & 330 \\ -30\downarrow & \\ \hline 30 & \\ -30 & \\ \hline 0 & \end{array}\ 33$$

(i)
$$\begin{array}{r|l} 10 & 250 \\ -20\downarrow & \\ \hline 50 & \\ -50 & \\ \hline 0 & \end{array}\ 25$$

(j) 10)664(64
− 60↓
64
− 60
4

(k) 10)345(34
− 30↓
45
− 40
5

(l) 10)945(94
− 90↓
45
− 40
5

3. Divide the following:

(a) 10)1205(120
− 10↓
20
−20↓
5
− 0
5

(b) 10)1925(192
− 10↓
92
−90↓
25
−20
5

(c) 10)1123(112
− 10↓
12
−10↓
23
−20
3

(d) 10)1671(167
− 10↓
67
−60↓
71
−70
1

(e) 10)1550(155
− 10↓
55
−50↓
50
−50
0

(f) 10)2685(268
− 20↓
68
−60↓
85
−80
5

(g) 10)5244(524
− 50↓
24
−20↓
44
−40
4

(h) 10)3640(364
− 30↓
64
−60↓
40
−40
0

(i) 10)8555(855
− 80↓
55
−50↓
55
−50
5

(j) 10)6260(626
− 60↓
26
−20↓
60
−60
0

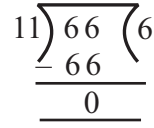
(k) 10)6678(667
− 60↓
67
−60↓
78
−70
8

(l) 10)9720(972
− 90↓
72
−70↓
20
−20
0

Exercise 6.5

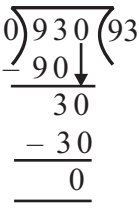
1. Total number of students in class = 66
   Number of students in each team = 11
   Teams can be formed = 66 ÷ 11
   = 6

   Hence, they formed 6 teams



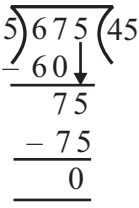
2. Amount to be divided = ₹930
   Number of students = 10
   Each student will receive = ₹930 ÷ 10

   Hence, each student will get ₹93.

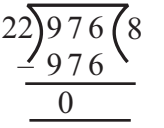


3. Total number of books in 15 rows = 675
   The number of books in one row = 675 ÷ 15

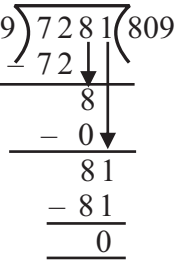
   Hence, 45 books are arranged in each row.



4. Toffees to be divided = 976
   Number of girls = 122
   Each girl will get = 976 ÷ 122
   Hence, each girl will get the 8 toffees.



5. Total number of students in bench = 7281
   The number of students in one bench = 9
   The number of benches = 7281 ÷ 9



   Hence, 809 benches are required for 7281 students.

6. Total amount = ₹950

The cost of one worth pen = ₹12

The number of pens can be purchased = ₹950 ÷ ₹12

```
12)9 5 0(79
 – 8 4↓
   1 1 0
 – 1 0 8
       2
```

Hence, Preety purchased 79 pens and ₹2 left.

7. Arun travels in 10 hours = 810 km

Arun travel in one hour = 810 km ÷ 10

```
10)8 1 0(81
 – 8 0↓
     1 0
   – 1 0
       0
```

Hence, Arun travel 81 km in one hour.

8. Total number of eggs in trays = 210

The number of eggs in one tray = 6

Total number of trays required = 210 ÷ 6

```
6)2 1 0(35
– 1 8↓
    3 0
  – 3 0
      0
```

Hence, 35 trays are required.

9. Total number of players in 6 coaches train = 1254

The number of players in one coach train = 1254 ÷ 6

```
6)1 2 5 4(209
– 1 2↓
      5
    – 0↓
      5 4
    – 5 4
        0
```

Hence, 209 players in each coach.

10. 7 people planted the apple trees = 588
    1 people planted the apple trees = 588 ÷ 7

$$\begin{array}{r} 7\overline{)588}(84 \\ -56\downarrow \\ \hline 28 \\ -28 \\ \hline 0 \\ \hline \end{array}$$

    Hence, each people planted 84 apple trees.

11. Total number of balls in boxes = 656
    The number of balls in one box = 8
    The number of boxes required = 656 ÷ 8

$$\begin{array}{r} 8\overline{)656}(82 \\ -64\downarrow \\ \hline 16 \\ -16 \\ \hline 0 \\ \hline \end{array}$$

    Hence, 82 boxes are required.

12. The product of two numbers = 750
    One number = 6
    The second number = 750 ÷ 6

$$\begin{array}{r} 6\overline{)750}(125 \\ -6\downarrow\downarrow \\ \hline 15 \\ -12\downarrow \\ \hline 30 \\ -30 \\ \hline 0 \\ \hline \end{array}$$

    Hence, the second number is 125.

13. A book seller has the books = 960
    A book seller gives the books each student = 7
    Number of students will get the book = 960 ÷ 7

```
7) 960 (137
 - 7
 ----
   26
 - 21
 ----
    50
  - 49
  ----
     1
```

Hence, 137 students will get the books and one students left.

14. A machine made the toys in 25 hours = 7925

A machine made the toys in one hour = 7925 ÷ 25

```
25) 7925 (317
  - 75
  -----
     42
    -25
  -----
    175
   -175
   ----
      0
```

Hence, machine made 317 toys in one hour.

15. Total number of trees in 24 rows = 1488

The number of trees in one row = 1488 ÷ 24

```
24) 1488 (62
  - 144
  -----
      48
     -48
     ---
       0
```

Hence, 62 trees are in each row.

Chapter 7 : Fraction

Exercise 7.1

1. Do yourself **2.** Do yourself **3.** Do yourself

4. Do yourself **5.** Do yourself **6.** Do yourself

7. Do yourself

8. **Write the fraction for the coloured part in each of the following figures:**

(a) $\frac{3}{4}$ (b) $\frac{5}{6}$ (c) $\frac{1}{3}$ (d) $\frac{1}{2}$ (e) $\frac{2}{3}$ (f) $\frac{1}{4}$

9. 2 one-half makes a whole.

10. 3 one-third makes a whole.

11. 4 one-fourth makes a whole.

12. In the following, write answers in the boxes:

(a) In how many equal parts is the figure divided? 5

How many parts are shaded? 2

Write the fraction for unshaded of part. $\frac{2}{5}$

(b) In how many equal parts is the figure divided 10

How many parts are not shaded? 5

Write the fraction for the shaded parts. $\frac{5}{10}$

Exercise 7.2

1. Colour to show the given fraction:

Do yourself.

2. Look at these coloections of figures, write below each, the fraction which represents the shaded part:

(a) $\frac{3}{9}$ (b) $\frac{4}{7}$ (c) $\frac{9}{10}$ (d) $\frac{5}{6}$ (e) $\frac{4}{8}$ (f) $\frac{3}{6}$

3. Write the fraction whose:

(a) $\frac{3}{7}$ (b) $\frac{3}{5}$ (c) $\frac{5}{8}$ (d) $\frac{5}{6}$ (e) $\frac{9}{10}$ (f) $\frac{4}{9}$

4. Write the numerator and denominator of each of the following fractions:

(a) N = 2, D = 5 (b) N = 3, D = 4 (c) N = 7, D = 8

(d) N = 6, D = 11 (e) N = 7, D = 12 (f) N = 8, D = 9

(g) N = 4, D = 5 (h) N = 1, D = 4 (i) N = 2, D = 3

(j) N = 7, D = 13

5. Write the fraction for each of the following fractional numbers:

(a) The fraction of three by eight = $\frac{3}{8}$

(b) The fraction of two by three = $\frac{2}{3}$

(c) The fraction of four upon nine = $\frac{4}{9}$

(d) The fraction of seven upon thirteen = $\frac{7}{13}$

(e) The fraction of four upon seven = $\frac{4}{7}$

(f) The fraction of two-nineths = $\frac{2}{9}$

6. Write in words:

(a) $\frac{7}{8}$ = Seven-eight (b) $\frac{2}{3}$ = two-three (c) $\frac{1}{5}$ = One-five

(d) $\frac{5}{6}$ = five-six (e) $\frac{3}{7}$ = Three-seven (f) $\frac{1}{3}$ = One-three

Exercise 7.3

1. Draw a collection of objects. Divide the collection into suitable number of equal parts and find the value of :

(a) $\frac{1}{3} \subset 15 = 5$ (b) $\frac{1}{6} \subset 24 = 4$ (c) $\frac{1}{3} \subset 18 = 6$

(d) $\frac{1}{3} \subset 27 = 9$ (e) $\frac{1}{5} \subset 25 = 5$ (f) $\frac{1}{3} \subset 21 = 7$

2. Colour $\frac{1}{2}$ of each of the following collections and fill in the boxes:

(a) $10 \div 2 = 5$

$\therefore \frac{1}{2}$ of $10 = 5$

(b) $30 \div 2 = 15$

$\therefore \frac{1}{2}$ of $30 = 15$

3. Colour $\frac{1}{7}$ of each collection and fill in the boxes:

(a) $35 \div 7 = 5$

$\therefore \frac{1}{7}$ of $35 = 5$

(b) $21 \div 7 = 3$

$\therefore \frac{1}{7}$ of $21 = 3$

4. Total collection of objects = 18

of collection of objects $= \frac{1}{2}$ of $18 = \frac{1}{2} \times 18 = 9$

5. Total collection of objects = 32

Three-fourth $\left(\Downarrow \frac{3}{4}\right)$ collection of objects $= \frac{3}{4}$ of 32

$= \frac{3}{4} \times 32$

$= 3 \times 8 = 24$

6. Total collection of objects = 24

collection of objects $= \frac{1}{3}\text{of}\,24 = \frac{1}{3}\times 24 = 8$

Chapter 8 : Money

Exercise 8.1

1. Write the following amounts of money in words:

(a) Rupees ninety-seven and fifteen paise.
(b) Rupees thirty-nine and twenty-five paise.
(c) Rupees seventy-eight and five paise.
(d) Rupees forty-five and thirty-five paise.
(e) Five paise.
(f) Rupees seventy six.
(g) Rupees thirty-five and forty paise.
(h) Rupees seventy five and eighty paise.

2. Write the following amounts of money in words:

(a) Rupees fifty-seven and ninety paise.
(b) Rupees eighty-eight and forty five paise.
(c) Rupees eighteen and five paise.
(d) Rupees thirty-nine and forty paise.
(e) Rupees ninety-seven and seventy five paise.
(f) Rupees eighty-five
(g) Rupees twenty-three
(h) Sixty-four paise.
(i) Rupees seventy-five.

3. Write the following amounts of money in figures:

(a) ₹13.75 (b) ₹18.65 (c) ₹79.30 (d) ₹45.20
(e) ₹35.40 (f) ₹80.40

Exercise 8.2

1. Convert each of the following into paise:

(a) ₹13 = 13 × 100 paise = 1300 paise [∵ ₹1 = 100 paise]
(b) ₹18 = 18 × 100 paise = 1800 paise
(c) ₹69 = 69 × 100 paise = 6900 paise
(d) ₹49 = 49 × 100 paise = 4900 paise

(e) ₹37 = 37 × 100 paise = 3700 paise

(f) ₹68 = 68 × 100 paise = 6800 paise

(g) ₹75 = 75 × 100 paise = 7500 paise

(h) ₹96 = 96 × 100 paise = 9600 paise

(i) ₹9 = 9 × 100 paise = 900 paise

2. Convert each of the following into paise:

(a) Rupees 32 60 paise = 32 × 100 paise + 60 paise
= 3200 paise + 60 paise
= 3260 paise

(b) Rupees 54 8 paise = 54 × 100 paise + 8 paise
= 5400 paise + 8 paise
= 5408 paise

(c) Rupees 78 65 paise = 78 × 100 paise + 65 paise
= 7800 paise + 65 paise
= 7865 paise

(d) Rupees 37 85 paise = 37 × 100 paise + 85 paise
= 3700 paise + 85 paise
= 3785 paise

(e) Rupees 21 30 paise = 21 × 100 paise + 30 paise
= 2100 paise + 30 paise
= 2130 paise

(f) Rupees 5 35 paise = 5 × 100 paise + 35 paise
= 500 paise + 35 paise
= 535 paise

(g) Rupees 80 29 paise = 80 × 100 paise + 29 paise
= 8000 paise + 29 paise
= 8029 paise

(h) Rupees 8 95 paise = 8 × 100 paise + 95 paise
= 800 paise + 95 paise
= 895 paise

(i) Rupees 7 45 paise = 7 × 100 paise + 45 paise
= 700 paise + 45 paise
= 745 paise

3. Convert each of the following into paise:

(a) ₹9.05 = ₹9 + 5 paise
= 9×100 paise + 5 paise
= 900 paise + 5 paise = 905 paise

(b) ₹29.25 = ₹29 + 25 paise
= 29×100 paise + 25 paise
= 2900 paise + 25 paise = 2925 paise

(c) ₹41.80 = ₹41 + 80 paise
= 41×100 paise + 80 paise
= 4100 paise + 80 paise = 4180 paise

(d) ₹99.15 = ₹99 + 15 paise
= 99×100 paise + 15 paise
= 9900 paise + 15 paise = 9915 paise

(e) ₹0.70 = 0.70 ×100 paise
= 70 paise

(f) ₹0.05 = 0.05×100 paise
= 5 paise

(g) ₹37.45 = ₹37 + 45 paise
= 37×100 paise + 45 paise
= 3700 paise + 45 paise = 3745 paise

(h) ₹59.40 = ₹59 + 40 paise
= 59×100 paise + 40 paise
= 5900 paise + 40 paise = 5940 paise

4. Convert each of the following into rupees and paise:

(a) 395 paise = 300 paise + 95 paise
= ₹3 + 95 paise
= Rupees three and ninety five paise

(b) 970 paise = 900 paise + 70 paise
= ₹9 + 70 paise
= Rupees nine and seventy paise

(c) 1005 paise = 1000 paise + 5 paise
= ₹10 + 5 paise
= Rupees ten and five paise

(d) 2080 paise = 2000 paise + 80 paise
= ₹20 + 80 paise
= Rupees twenty and eighty paise

(e) 5960 paise = 5900 paise + 60 paise
= ₹59 + 60 paise
= Rupees fifty nine and sixty paise

(f) 8195 paise = 8100 paise + 95 paise
= ₹81 + 95 paise
= Rupees eighty one and ninety five paise

(g) 5725 paise = 5700 paise + 25 paise
= ₹57 + 25 paise
= Rupees fifty seven and twenty five paise

(h) 2505 paise = 2500 paise + 05 paise
= ₹25 + 05 paise
= Rupees twenty five and five paise

5. Express each of the following into rupees and paise by using dot (.):

(a) 586 paise = 500 paise + 86 paise
= ₹5 + 86 paise = ₹5.86

(b) 597 paise = 500 paise + 97 paise
= ₹5 + 97 paise = ₹5.97

(c) 5060 paise = 5000 paise + 60 paise
= ₹50 + 60 paise = ₹50.60

(d) 9021 paise = 9000 paise + 21 paise
= ₹90 + 21 paise = ₹90.21

(e) 9039 paise = 9000 paise + 39 paise
= ₹90 + 39 paise = ₹90.39

(f) 4075 paise = 4000 paise + 75 paise
= ₹40 + 75 paise = ₹40.75

(g) 8680 paise = 8600 paise + 80 paise
= ₹86 + 80 paise = ₹86.80

(h) 5025 paise = 5000 paise + 25 paise
= ₹50 + 25 paise = ₹50.25

Exercise 8.3

1. Add:

(a)
₹ 35.40
+ ₹ 37.50
₹ 72.90

(b)
₹ 27.50
+ ₹ 52.05
₹ 79.55

(c)
₹ 29.60
+ ₹ 45.30
₹ 74.90

(d)
₹ 26.00
+ ₹ 37.50
₹ 32.40
₹ 95.90

(e)
₹ 32.50
+ ₹ 27.69
₹ 50.30
₹ 110.49

2. Find the sum:

(a)

₹	p
207	35
+ 120	30
+ 45	10

(b)

₹	p
46	52
+ 67	50
+ 32	30

(c)

₹	p
671	00
+ 78	50
+ 90	40

(d)

₹	p
50	46
+ 25	44
+ 32	15

(e)

₹	p
75	90
+ 32	40
+ 103	80

(f)

₹	p
135	75
+ 80	50
+ 75	40

3. Arrange in columns and find the sum of:

(a)
₹ 114.45
+ ₹ 76.33
+ ₹ 8.75
₹ 191.53

(b)
₹ 29.40
+ ₹ 21.75
+ ₹ 40.35
₹ 91.50

(c)
₹ 45.30
+ ₹ 30.05
+ ₹ 1.55
₹ 76.90

(d)
₹ 0.95
+ ₹ 20.15
+ ₹ 45.56
₹ 66.66

(e)
₹ 17.35
+ ₹ 28.85
+ ₹ 0.85
₹ 47.05

(f)
₹ 45.40
+ ₹ 57.80
+ ₹ 38.30
₹ 141.50

4. Add:

(a)
₹115.65
+ ₹35.30
+ ₹0.75
₹151.70

(b)
₹225.45
+ ₹325.30
+ ₹22.00
₹572.75

(c)
₹345.05
+ ₹45.34
+ ₹30.75
₹421.14

(d)
₹185.25
+ ₹80.35
+ ₹3.75
₹269.35

(e)
₹75.00
+ ₹32.95
+ ₹170.05
₹278.00

(f)
₹321.80
+ ₹412.75
+ ₹485.75
₹1220.30

Exercise 8.4

1. Cost of a toy = ₹75 . 50
Cost of a bat = ₹104 . 00
Cost of a ball = + ₹37 . 75
₹217 . 25

Hence, Mohit spent ₹217.25.

2. Swati got her mother = ₹500 . 50
Swati's sister got her mother = ₹175 . 50
Swati's brother got her mother = + ₹95 . 00
₹770 . 50

Hence, she got altogether ₹770.50.

3. Priya purchased a ball = ₹65 . 75
Priya purchased a bat = ₹85 . 65
Priya purchased a cap = + ₹55 . 30
₹206 . 70

Hence, Priya spent ₹206.70.

4. Reena bought 1 kg paneer = ₹54 . 30
Reena bought 1 kg sweets = ₹85 . 60
Reena bought 2 kg milk = + ₹45 . 00
₹184 . 90

Hence, Reena spent ₹184.90.

5. Mohan spent for railway fare = ₹90 . 50
Mohan spent for bus fare = ₹22 . 75
Mohan spent for ricksaw fare = + ₹17 . 50
₹130 . 75

Hence, Mohan spent ₹130.75.

6. Priyanka collect the one person = ₹75 . 50
Priyanka collect the second person = ₹72 . 40
Priyanka collect the third person = + ₹65 . 30
₹213 . 20

Hence, Priyanka collect ₹213.20.

Exercise 8.5

1. Subtract:

(a)

₹	p
79	53
– 56	27
₹23	.26

(b)

₹	p
45	55
– 29	65

(c)

₹	p
87	30
– 59	65

(d)

₹	p
90	35
– 67	52

(e)

₹	p
94	30
– 53	80

(f)

₹	p
56	75
– 32	90

(g)

₹	p
87	75
– 52	60

(h)

₹	p
96	95
– 67	80

2. Subtract the following amounts:

(a)
₹89.20
– ₹56.86
₹32.34

(b)
₹76.05
– ₹49.30
₹26.75

(c)
₹67.25
– ₹81.10
₹13.85

(d)
₹61.05
– ₹52.05
₹ 9.00

3. Find the difference:

(a)
₹69.90
– ₹25.75
₹44.15

(b)
₹75.85
– ₹50.25
₹25.60

(c)
₹92.90
– ₹71.42
₹21.50

(d)
₹ 29.65
– ₹ 15.40
₹ 14.25

(e)
₹ 98.65
– ₹ 65.30
₹ 33.35

(f)
₹ 47.80
– ₹ 40.45
₹ 7.35

4. Subtract the following amounts by converting them into paise:

(a) Rupees 30 and 40 paise = ₹30 + 40 paise
= 300 paise + 40 paise
= 3040 paise

Rupees 45 and 14 paise = ₹45 + 14 paise
= 4500 paise + 14 paise
= 4514 paise

Now, 4514 paiwe – 3040 paise = 1474 paise

(b) Rupees 45 and 80 paise = ₹45 + 80 paise
= 4500 paise + 80 paise
= 4580 paise

Rupees 70 and 60 paise = ₹70 + 60 paise
= 7000 paise + 60 paise
= 7060 paise

Now, 7060 paise – 4580 paise = 2480 paise

(c) Rupees 85 and 10 paise = ₹85 + 10 paise
= 8500 paise + 10 paise
= 8510 paise

Rupees 90 and 15 paise = ₹90 + 15 paise
= 9000 paise + 15 paise
= 9015 paise

Now, 9015 paise – 8510 paise = 505 paise

(d) Rupees 76 and 35 paise = ₹76 + 35 paise
= 7600 paise + 35 paise
= 7635 paise

Rupees 91 and 20 paise = ₹91 + 20 paise
= 9100 paise + 20 paise
= 9120 paise

Now, 9120 paise – 7635 paise = 1485 paise

Exercise 8.6

1. At first, we find the total cost of the items purchased by Suraj

	₹67.75
	₹22.50
+	₹122.50
Total cost	₹212.75

Now, we subtract total cost to find the balance

	₹
	p
	250.00
	−212.75

Hence, ₹37.25 left.

2. At first, we find the total cost of the items purchased by Swati.

	₹42.50
	₹27.95
+	₹15.75
Total cost	₹86.20

Now, we subtract total cost to find the balance

	₹
	p
	100.00
	− 86.20

Hence, ₹13.80 book seller return.

3. Rakhi had the money in her bank account = ₹375.50
Rakhi withdraws the money in her account = ₹235.00
Balance in Rakhi account = ₹375.50 − ₹235.00
= ₹140.50

4. The sum of ₹105.25 and ₹69.75

	₹105.25
+	₹69.75
	₹175.00

Now, we subtract ₹175.00 from ₹200.00

₹ p
200 . 00
– 175 . 00

5. Raju had rupees = ₹100
Raju bought a purse = ₹87.50
Balance money of Raju = ₹100 – ₹87.50
= ₹12.50
Hence, Raju get the balance ₹12.50.

₹ p
100 . 00
– 87 . 50

Chapter 9 : Measurement - Length

Exercise 9.1

1. Convert into decimetres and fill in the boxes:

(a) 9m = 9 × 10dm = 80dm (b) 7m = 7 × 10dm = 70dm
(c) 16m = 16 × 10dm = 160dm (d) 22m = 22 × 10dm = 220dm
(e) 49m = 49 × 10dm = 490dm (f) 75m = 75 × 10dm = 750dm

2. Convert into decimetres and fill in the blanks:

(a) 7 m 6 dm = 7 × 10 dm + 6 dm =70 dm + 6 dm = 76 dm
(b) 8 m 7 dm = 8 × 10 dm + 7 dm = 80 dm + 7 dm = 87 dm
(c) 19 m 8 dm = 19 × 10 dm + 8 dm = 190 dm + 8 dm = 198 dm

3. Convert into centimetres and fill in the boxes:

(a) 7 dm = 70 cm (b) 9 dm = 90 cm
(c) 22 dm = 220 cm (d) 29 dm = 290 cm
(e) 37 dm = 370 cm (f) 87 dm = 870 cm

4. Convert into centimetres and fill in the blanks:

(a) 7cm 9 cm = 7 × 10 cm + 9 cm
= 70 cm + 9 cm = 79 cm
(b) 19 dm 9 cm = 19 × 10 cm + 9 cm
= 190 cm + 9 cm = 199 cm
(c) 39 dm 7 cm = 39 × 10 cm + 7 cm
= 390 cm + 7 cm = 397 cm

Exercise 9.2

1. Convert into centimetres and fill in the boxes:

(a) 7 m = 7 × 100 cm = 700 cm

(b) 12 m = 12 × 100 cm = 1200 cm

(c) 21 m = 21 × 100 cm = 2100 cm

(d) 29 m = 29 × 100 cm = 2900 cm

(a) 58 m = 58 × 100 cm = 5800 cm

(b) 74 m = 74 × 100 cm = 7400 cm

2. Convert into centimetres and fill in the blanks:

(a) 7 m 65 cm = 7 × 100 cm + 65 cm = 700 cm + 65 cm
= 765 cm

(b) 25 m 90 cm = 25 × 100 cm + 90 cm = 2500 cm + 90 cm
= 2590 cm

(c) 47 m 97 cm = 47 × 100 cm + 97 cm = 4700 cm + 97 cm
= 4797 cm

3. Convert into metres and decimetres and fill in the blanks:

(a) 76 dm = 70 dm + 6 dm = 7m 6 dm

(b) 89 dm = 80 dm + 9 dm = 8 m 9 dm

(c) 235 dm = 230 dm + 5 dm = 23 m 5 dm

(d) 439 dm = 430 dm + 9 dm = 43 m 9 dm

4. Convert into metres and centimetres and fill in the boxes:

(a) 850 cm = 800 cm + 50 cm = 8m 50 cm

(b) 500 cm = 500 cm + 00 cm = 5m 00 cm

(c) 895 cm = 800 cm + 95 cm = 8m 95 cm

(d) 1956 cm = 1300 cm + 56 cm = 13m 56 cm

Exercise 9.3

1. Add:

(a)

	m	cm
	28	65
+	21	30
	49	95

(b)

	m	cm
	45	79
+	32	11
	77	90

(c)

	m	cm
	18	35
+	81	30
	99	65

(d)

	m	cm
	48	52
+	21	23
	69	75

(e)

	m	cm
	47	67
+	83	48
	131	15

(f)

	m	cm
	87	80
+	58	74
	146	54

(g)

	m	cm
	25	15
+	25	29
+	8	97
	59	41

(h)

	m	cm
	13	30
+	5	85
+	12	75
	31	90

2. Find the sum of :

(a) Arrange the metres and centimetres in columns as shown in below:

Add centimetres = 22cm + 74cm = 96cm

Add metres = 54m + 35m = 89m

Hence, the sum is 89m 96cm.

	m	cm
	54	22
+	35	74
	89	96

(b) Arrange the metres and centimetres in columns as shown in below:

Add centimetres = 34cm + 25cm = 59cm

Add metres = 41m + 24m = 65m

Hence, the sum is 65m 59cm.

	m	cm
	41	34
+	24	25
	65	59

(c) Arrange the metres and centimetres in columns as shown in below:

Add centimetres = 74cm + 88cm = 162cm

= 100cm + 62cm = 1m + 62cm

Add metres = 48m + 37m + 1m = 86m

Hence, the sum is 86m 62cm.

	m	cm
	48	74
+	37	88
	86	62

(d) Arrange the metres and centimetres in colums as shown in below:

Add centimetres = 84cm + 76cm = 160cm

= 100cm + 60cm

= 1m + 60 m

Add metres = 54m + 29m + 1m = 84m

Hence, the sum is 84m 60cm.

	m	cm
	54	84
+	29	76
	84	60

3. To get the result, we add as follows:

	m	cm
	15	45
+	13	75
	29	20

Thus, he sold 29m 20cm cloth.

4. To get the result, we add as follows:

	m	cm
	5	95
+	3	88
	9	83

Thus, the Archna bought 9m 83cm cloth.

Exercise 9.4

1. Subtract:

(a)

	m	cm
	37	90
–	15	40
	22	50

(b)

	m	cm
	68	94
–	53	67
	15	27

(c)

	m	cm
	95	12
–	74	09
	21	3

(d)

	m	cm
	79	54
–	62	37
	17	17

(e)

	m	cm
	35	47
–	25	59
	9	88

(f)

	m	cm
	88	96
–	54	69
	34	27

(g)

	m	cm
	74	76
–	39	89
	34	87

(h)

	m	cm
	96	45
–	64	79
	31	66

(i)

	m	cm
	67	34
–	9	85
	57	58

2. Subtract:

(a) Arrange metres and centimetres in columns as shown below:

Subtracting centimetres : 80cm – 60cm = 20cm

Subtracting metres : 69m – 28m = 41m

Hence, the difference is 41m 20cm.

	m	cm
	69	80
–	28	60
	41	20

(b) Arrange metres and centimetres in columns as shown below:

Subtracting centimetres : 64cm – 48cm = 16cm

Subtracting metres : 95m – 89m = 6m

Hence, the difference is 6m 16cm.

	m	cm
	95	64
–	89	48
	6	16

(c) Arrange metres and centimetres in columns as shown below:

Subtracting centimetres : 88cm – 75cm = 13cm

Subtracting metres : 64m – 32m = 32m

Hence, the difference is 32m 13cm.

	m	cm
	64	88
–	32	75
	32	13

(d) Arrange metres and centimetres in columns as shown below:

Subtracting centimetres : We can not subtract 49cm from 37cm.

So, we borrow 1m from 80m leaving behind 79m.

Now, we have 1m + 37cm = 100cm + 37cm = 137cm

Now, 137cm – 49cm = 88cm

Subtracting metres : 79m – 61m = 18m

Hence, the difference is 18m 88cm.

	m	cm
	~~80~~	~~37~~
–	61	49
	18	88

3. To get the result, we subtract as follows:

	m	cm
	42	132
	~~43~~	~~32~~
–	21	65
	21	67

Thus, 21m 67cm cloth left.

4. To get the result, we subtract as follow:

Thus, the Sujata left 31m 75cm ribbon.

	m	cm
	66	130
	~~67~~	~~30~~
–	35	55
	31	75

5. To get the result, we subtract as follows:

	m	cm
	76	15
–	38	05
	38	10

Hence, 38m 10cm electric wire is left.

6. To get the result, we subtract 18m 68cm from 39 m as follows:

	m	cm
	38	100
	~~39~~	~~00~~
–	18	68
	20	32

Thus, the 18m 68cm is less 20m 32cm.

Chapter 10 : Measurement - Mass (Weight)

Exercise 10.1

1. Fill in the boxes to make equal weights on both sides:

(a) 1 kg = 200g + 200g + 200g + 200g + 200g

(b) 1 kg = 500g + 500g

(c) 1kg = 200g + 400g + 400g

(d) 500g = 200g + 200g + 100g

2. Convert the following into grams:

(a) 7kg = 7 × 1000g = 7000g

(b) 9kg = 9 × 1000g = 9000g

(c) 8kg = 8 × 1000g = 8000g

(d) 3kg = 3 × 1000g = 3000g

(e) 5kg = 5 × 1000g = 5000g

(f) 9kg 225g = 9kg + 225g
= 9 × 1000g + 225g
= 9000g + 225g = 9225g

(g) 7kg 400g = 7kg + 400g
= 7 × 1000g + 400g
= 7000g + 400g = 7400g

(h) 4kg 750g $= 4\text{kg} + 750\text{g}$
$= 4 \times 1000\text{g} + 750\text{g}$
$= 4000\text{g} + 750\text{g} = 4750\text{g}$

(i) 7kg 90g $= 7\text{kg} + 90\text{g}$
$= 7 \times 1000\text{g} + 90\text{g}$
$= 7000\text{g} + 90\text{g} = 7090\text{g}$

3. Fill in the blanks:

(a) 4 kg 75 g = **4075** g (b) **8000** g = 8 kg

(c) 7000 g = **7** kg (d) 9 kg 655 g = **9655** g

(e) 3 kg **980** g = 3980 g (f) 5 kg 9 g = **5009** g

4. Convert the following into kilograms and grams:

(a) $3000\text{g} = 3000 \times \frac{1}{1000}\text{kg} = 3\text{kg}$

(b) $8650\text{g} = 8000\text{g} + 650\text{g}$
$= 8000 \times \frac{1}{1000}\text{kg} + 650\text{g}$
$= 8\text{kg} + 650\text{g} = 8\text{kg } 650\text{g}$

(c) $9802\text{g} = 9000\text{g} + 802\text{g}$
$= 9000 \times \frac{1}{1000}\text{kg} = 802\text{g}$
$= 9\text{kg} + 802\text{ g} = 9\text{kg } 802\text{g}$

(d) $4230\text{g} = 4000\text{g} + 230\text{g}$
$= 4000 \times \frac{1}{1000}\text{kg} + 230\text{g}$
$= 4\text{kg} + 230\text{g} = 4\text{kg } 230\text{g}$

(e) $5465\text{g} = 5000\text{g} + 465\text{g}$
$= 5000 \times \frac{1}{1000}\text{kg} + 465\text{g}$
$= 5\text{kg} + 465\text{g} = 5\text{ kg } 465\text{g}$

(f) $7560\text{g} = 7000\text{g} + 560\text{g}$
$= 7000 \times \frac{1}{1000}\text{kg} + 560\text{g}$
$= 7\text{kg} + 560\text{g} = 7\text{kg } 560\text{g}$

(g) $5024g = 5000g + 24g$

$= 5000 \times \frac{1}{1000} kg + 24g$

$= 5kg + 24g = 5kg\ 24g$

(h) $7984g = 7000g + 984g$

$= 7000 \times \frac{1}{1000} kg + 984g$

$= 7kg + 984g = 7kg\ 984g$

(i) $5992g = 5000g + 992g$

$= 5000 \times \frac{1}{1000} kg + 990g$

$= 5kg + 992g = 5kg\ 992g$

(j) $4560g = 4000g + 560g$

$= 4000 \times \frac{1}{1000} kg + 560g$

$= 4kg + 560g = 4kg\ 560g$

Exercise 10.2

1. Add:

(a)

	kg	g
	7	525
+	9	960
	17	485

(b)

	kg	g
	8	470
+	9	325
	17	795

(c)

	kg	g
	9	432
+	7	567
	16	999

(d)

	kg	g
	18	450
+	9	755
	28	205

(e)

	kg	g
	35	520
+	8	025
	43	545

(f)

	kg	g
	27	600
+	12	390
	39	990

2. Arrange the column and find the sum:

(a) Arrange kilograms and grams as shown below. Then add g to g and kg to kg.

	kg	g
	3	423
+	6	062
	9	485

Thus, the sum is 9kg 485g.

(b)

	kg	g
	9	625
+	5	423
	14	048

Thus, the sum is 14kg 48g.

(c)

	kg	g
	12	587
+	8	235
	20	822

Thus, the sum is 20kg 822g.

(d)

	kg	g
	17	625
+	12	750
	30	375

Thus, the sum is 30kg 375g.

3. To get the result, we add as follows:

	kg	g
	45	725
+	47	800
	93	525

Thus, the total weight is 93kg 525g.

4. To get the result, we add as follows:

	m	cm
	3	400
	2	425
+	3	125
	8	950

Thus, the Mohan buy 8kg 950g on three days.

Exercise 10.3

1. Subtract:

(a)

	kg	g
	6	475
–	4	238
	2	237

(b)

	kg	g
	8	525
–	5	350
	3	175

(c)

	kg	g
	9	650
–	7	475
	2	175

(d)

	kg	g
	9	500
–	6	395
	3	195

(e)

	kg	g
	11	560
–	9	070
	2	490

(f)

	kg	g
	15	300
–	6	750
	8	550

(g)

	kg	g
	18	870
–	12	980
	5	890

(h)

	kg	g
	19	470
–	16	590
	2	880

(i)

	kg	g
	49	550
–	38	675
	10	875

2. Arrange the columns and find the sum:

Arrange kilograms and grams in respective columns and subtract columns.

(a)

	kg	g
	6	422
–	4	374
	2	048

Thus, the difference is 2kg 48g

(b)

	kg	g
	~~7~~	~~4~~70
–	5	870
	1	600

Thus, the difference is 1kg 600g.

(c)

	kg	g
	~~19~~	~~2~~25
–	12	950
	6	275

Thus, the difference is 6kg 275g

(d)

	kg	g
	~~7~~	~~5~~70
–	4	675
	2	895

Thus, the difference is 2kg 895g.

(e)

	kg	g
	~~13~~	~~5~~50
–	8	670
	4	880

Thus, the difference is 4kg 880g

(f)

	kg	g
	~~40~~	~~1~~15
–	10	315
	29	800

Thus, the difference is 29kg 800g.

3. Arrange in columns and find the differences between:

Arrange kilograms and grams in respective columns and subtract columns.

(a)

	kg	g
	9	215
–	8	153
	1	062

Thus, the difference is 11kg 62g.

(b)

	kg	g
	10	925
–	8	142
	2	783

Thus, the difference is 2kg 783g.

(c)

	kg	g
	~~9~~	~~2~~27
–	7	572
	1	655

Thus, the difference is 1kg 655g.

(d)

	kg	g
	7	422
–	6	195
	1	227

Thus, the difference is 1kg 227g.

(e)

	kg	g
	13	875
–	11	400
	2	475

Thus, the difference is 2kg 475g.

(f)

	kg	g
	40	307
–	17	037
	23	270

Thus, the difference is 23kg 270g

4. Ajeet's weight = 35kg 400g
Ajeet's sister weight = 29kg 235g
The difference of weight = 35kg 400g – 29kg 235g

	kg	g
	35	400
–	29	235
	6	165

35kg 400g > 29kg 235g

∵ Arjun weight is greater

∴ Hence, Arjun is 6kg 165g heavier than his sister.

5. To get the result, we subtract as follows:

	kg	g
	12	530
–	8	655
	3	875

Thus, the 3kg 875g wheat left in the bag.

6. Weight of boy after three months = 10kg 60g
Weight of boy before three months = 9kg 175g
Weight gain by the boy = 10kg 60g – 9kg 175g

	kg	g
	10	60
–	9	175
		885

Thus, the weight gain by the boy is 885g.

Chapter 11 : Measurement - Capacity

Exercise 11.1

1. Fill in the boxes to make equal measures in the given boxes:

(a) **1** *l* = 2 **500** m*l* (b) **450** m*l* (c) **1000** m*l* = **1** *l*
(d) **3000** m*l*

2. Convert the following into millilitres:

(a) 9 *l* = 9 × 1000 m*l* = 9000 m*l*
(b) 6 *l* = 6 × 1000 m*l* = 6000 m*l*
(c) 7 *l* = 7 × 1000 m*l* = 7000 m*l*
(d) 8 *l* = 8 × 1000 m*l* = 8000 m*l*
(e) 7 *l* = 7 × 1000 m*l* = 7000 m*l*
(f) 8 *l* 805 m*l* = 8 *l* + 805 m*l*
= 8 × 1000m*l* + 805m*l*
= 8000m*l* + 805m*l* = 8805m*l*
(g) 9 *l* 350 m*l* = 9 *l* + 350 m*l*
= 9 × 1000m*l* + 350m*l*
= 9000m*l* + 350m*l* = 9350m*l*
(h) 3 *l* 475 m*l* = 3 *l* + 475 m*l*
= 3 × 1000m*l* + 475m*l*
= 3000m*l* + 475m*l* = 3475m*l*

(i) $5\,l\ 372\,\text{m}l$ $= 5\,l + 372\,\text{m}l$

$= 5 \times 1000\text{m}l + 372\text{m}l$

$= 5000\text{m}l + 372\text{m}l = 5372\text{m}l$

3. Convert the following into litres and millilitres:

(a) $5320\text{m}l$ $= 5000\text{m}l + 320\text{m}l$

$= 5000 \times \frac{1}{1000} l + 320\text{m}l$

$= 5l + 320\text{m}l = 5l\ 320\text{m}l$

(b) $9875\text{m}l$ $= 9000\text{m}l + 875\text{m}l$

$= 9000 \times \frac{1}{1000} l + 875\text{m}l$

$= 9l + 875\text{m}l = 9l\ 875\text{m}l$

(c) $3025\text{m}l$ $= 3000\text{m}l + 25\text{m}l$

$= 3000 \times \frac{1}{1000} l + 25\text{m}l$

$= 3l + 25\text{m}l = 3l\ 25\text{m}l$

(d) $5280\text{m}l$ $= 5000\text{m}l + 280\text{m}l$

$= 5000 \times \frac{1}{1000} l + 280\text{m}l$

$= 5l + 280\text{m}l = 5l\ 280\text{m}l$

(e) $9550\text{m}l$ $= 9000\text{m}l + 550\text{m}l$

$= 9000 \times \frac{1}{1000} l + 550\text{m}l$

$= 9l + 550\text{m}l = 9l\ 550\text{m}l$

(f) $7804\text{m}l$ $= 7000\text{m}l + 804\text{m}l$

$= 7000 \times \frac{1}{1000} l + 804\text{m}l$

$= 7l + 804\text{m}l = 7l\ 804\text{m}l$

(g) $7005\text{m}l$ $= 7000\text{m}l + 5\text{m}l$

$= 7000 \times \frac{1}{1000} l + 5\text{m}l$

$= 7l + 5\text{m}l = 7l\ 5\text{m}l$

(h) $5521\text{m}l$ $= 5000\text{m}l + 521\text{m}l$

$= 5000 \times \frac{1}{1000} l + 521\text{m}l$

$= 5l + 521\text{m}l = 5l\ 521\text{m}l$

(i) $3789\text{m}l$ $= 3000\text{m}l + 789\text{m}l$

$= 3000 \times \frac{1}{1000} l + 789\text{m}l$

$= 3l + 789\text{m}l = 3l\ 789\text{m}l$

Exercise 11.2

1. Add:

(a)

	l	m*l*
	7	618
+	3	585
	11	203

(b)

	l	m*l*
	9	526
+	7	315
	16	841

(c)

	l	m*l*
	6	700
+	3	824
	10	524

(d)

	l	m*l*
	15	670
+	8	780
	24	450

(e)

	l	m*l*
	15	240
+	7	380
	22	620

(f)

	l	m*l*
	15	550
+	11	860
	27	410

2. Arrange in columns and find the sum of:

(a)

	l	m*l*
	8	472
+	4	385
	12	857

Thus, the sum is $12l\ 857\text{m}l$.

(b)

	l	m*l*
	6	395
+	7	422
	13	817

Thus, the sum is $13l\ 817\text{m}l$

(c)

	l	m*l*
	15	048
+	17	104
	26	152

Thus, the sum is $26l\ 152\text{m}l$.

(d)

	l	m*l*
	17	043
+	13	005
	30	048

Thus, the sum is $30l\ 48\text{m}l$

3. To get the result, we add as follows :

	l	m*l*
	9	475
+	6	400
	15	875

Thus, the both containers 15*l* 875m*l* diesel contains.

4. A shopkeeper sell cooking oil on Monday = 9*l* 550m*l*
   A shopkeeper sell cooking oil on Tuesday = 14*l* 975m*l*
   Total = 9*l* 550m*l* + 14*l* 975m*l*

	l	m*l*
	9	550
+	14	975
	24	525

Thus, the shopkeeper sells 24*l* 525m*l* in two days.

Exercise 11.3

1. Subtract:

(a)

	l	m*l*
	9	780
–	6	890
	2	890

(b)

	l	m*l*
	11	885
–	7	650
	4	235

(c)

	l	m*l*
	9	450
–	6	287
	3	163

(d)

	l	m*l*
	15	406
–	9	793
	5	613

(e)

	l	m*l*
	25	770
–	18	685
	7	85

(f)

	l	m*l*
	22	554
–	15	800
	6	754

(g)

	l	m*l*
	9	605
–	6	540
	3	65

(h)

	l	m*l*
	8	317
–	6	804
	1	513

(i)

	l	m*l*
	15	517
–	8	646
	6	871

2. Arrange litres and mililitres as shown below:

(a)

	l	m*l*
	11	600
–	9	370
	2	230

Thus, the sum is 2*l* 230m*l*.

(b)

	l	m*l*
	13	850
–	8	295
	5	555

Thus, the sum is 5*l* 555m*l*.

. (c)

	l	m*l*
	17	495
–	14	222
	3	273

Thus, the sum is 3*l* 273m*l*.

(d)

	l	m*l*
	9	925
–	7	872
	2	53

Thus, the sum is 2*l* 53m*l*.

3. Suraj drinks the milk = 9*l* 750m*l*
Ajeet drinks the milk = 7*l* 800m*l*
Suraj drink the milk than Ajeet = 9*l* 750m*l* – 7*l* 800m*l*

	l	m*l*
	~~9~~	7~~5~~0
–	7	800
	1	950

Thus, Suraj drinks 1*l* 950m*l* more milk than Ajeet.

4. A milkman has the milk = 8*l* 750m*l*
Milkman sell the milk = 4*l* 900m*l*
The milk left = 8*l* 750m*l* – 4*l* 900m*l*

	l	m*l*
	~~8~~	7~~5~~0
–	4	900
	3	850

Thus, the 3*l* 850m*l* milk left him.

5. A tin contained mustard oil= 12*l* 425m*l*
Wasted mustard oil = 775m*l*
Mustard oil left = 12*l* 425m*l* – 775m*l*

	l	m*l*
	12	4~~2~~5
–		775
	11	650

Thus, the 11*l* 650m*l* mustard oil left in the tin.

6. The petrol used during the journey = 15*l* 800m*l* – 7*l* 375m*l*

l	m*l*
15	800
– 7	375
8	425

Thus, the 8*l* 475m*l* petrol used during the journey.

7. Total mineral water in tank = 86*l* 650m*l*
Mineral water used in bottling = 64*l* 780m*l*
Mineral water left in the tank = 86*l* 650m*l* – 64*l* 780m*l*

l	m*l*
~~86~~	~~650~~
– 64	780
21	870

Hence, 21*l* 870ml mineral water left in tank.

Chapter 12 : Geometry

Exercise 12.1

1. Look at the figure and fill in the blanks:

(a) Number of **5**

(b) Number of **2**

(c) Number of **3**

(d) Number of **10**

2. Look at the figure, count and fill in the blanks:

(a) It has **5** rectangles. (b) It has **4** squares.

(c) It has **2** triangles. (d) It has **2** circles.

3. Colour the picture as indicated:

Do it yourself

Exercise 12.2

1. Fill in the blanks:

(a) A rectangle has **4** sides and **4** vertices.

(b) A circle has **no** side and **no** vertex.

(c) A square has **4** vertices and **4** sides.

(d) A triangle has **3** sides and **3** vertices.
(e) A cuboid has **6** faces, **12** edges and **8** vertices.
(f) All the faces of a **cube** are identical.
(g) A **sphere** has no vertex and no edge.
(h) A cylinder has **2** plane faces and **2** edges.
(i) A **cylinder** has two edges and no vertex.

2. Put a tick (✓) on the correct shape for each of the following:

(a) A face of a dice	square
(b) A black-board	rectangle
(c) The face of moon	circle
(d) A coin	circle
(e) A set square	triangle

3. Give examples of three objects which are in the shape of:

(a) a cone : keep(oil filter), Ice cone, Cup of a jocker.
(b) a cylinder : Pencil, Rod, Gas Cylinder.

Chapter 13 : Roman Numbers

Exercise 13

1. Express each of the following as Roman Numerals:

(a) 9 = **IX** (b) 8 = **VIII** (c) 25 = **XXV**
(d) 29 = **XXIX** (e) 17 = **XVII** (f) 32 = **XXXII**

2. Express each of the following as Hindu-Arabic Numerals:

(a) XXII = **22** (b) XXIX = **29** (c) IX = **9**
(d) XXXVII = **37** (e) XXIV = **24** (f) XI = **11**

5. Write the Hindi-Number for the following:

(a) 19 = 19 (b) 48 = 48 (c) 20 = 20 (d) 19 = 19
(e) 12 = 12 (f) 35 = 35 (g) 22 = 22 (h) 32 = 32
(i) 85 = 85 (j) 63 = 63

6. Put a tick (✓) on the correct statements:

(b), (c), (h), (i)

7. Write the Roman-Number for the following:

(a) Twenty-five = **XXV** (b) Sixty-nine = **LXIX**
(c) Thirty-three = **XXXIII** (d) Seventy-eight = **LXXVIII**

(e) Twenty-one = **XXI**
(f) Ninety-one = **XCI**
(g) Forty-four = **XLIV**
(h) Seventy-two = **LXXII**
(i) Fifty-five = **LV**
(j) Three = **III**

Chapter 14 : Data Handling

Exercise 14

1. Read the pictograph and answer the following questions:

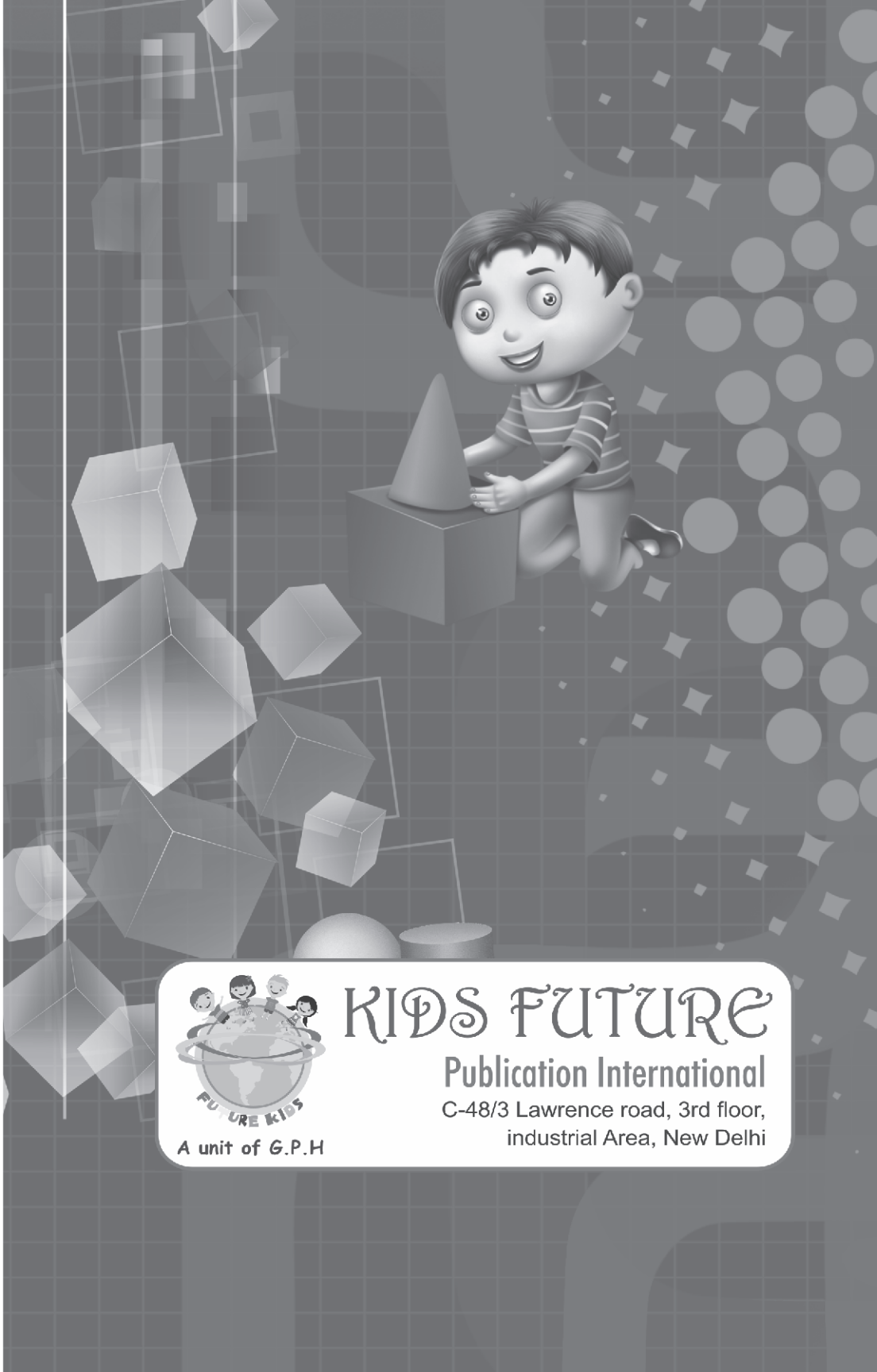
(a) The highest number of animals is cats.
(b) No.
(c) The number of dogs in the farm = $6 \times 5 = 30$
(d) The total number of animals in the farm
$= 3 \times 5 + 5 \times 5 + 6 \times 5 + 11 \times 5$
$= 15 + 25 + 30 + 55 = 125$

2. Read teh pictograph and answer the questions given below:

(a) The highest number of boys are in school C and school E.
(b) The number of boys in school C = $8 \times 25 = 200$
(c) School B has the lowest number of boys.
(d) The total number of boys in five schools
$= 6 \times 25 + 2 \times 25 + 8 \times 25 + 4 \times 25 + 8 \times 25$
$= 150 + 50 + 200 + 100 + 200 = 700$

3. Answer the following questions:

(a) Toys are sold by shop D = $9 \times 5 = 45$
(b) No.
(c) The total number of toys sold by these four shops
$= 6 \times 5 + 7 \times 5 + 7 \times 5 + 9 \times 5$
$= 30 + 35 + 35 + 45 = 145$



KIDS FUTURE
Publication International
C-48/3 Lawrence road, 3rd floor,
industrial Area, New Delhi
A unit of G.P.H