4. ₹ 160 ÷ 16

```
   10
16)160
  -160
    0
```

∴ ₹ 160 ÷ 16 = ₹ 11

5. ₹ 64 ÷ 8

```
    8
8) 64
  - 64
    0
```

∴ ₹ 64 ÷ 8 = ₹ 8

6. ₹ 70 ÷ 7

```
   10
7) 70
  - 70
    0
```

∴ ₹ 70 ÷ 7 = ₹ 10

7. ₹ 19.00 ÷ 4

```
   4.75
4)19.00
  16
   3 0
   2 8
     20
     20
      0
```

∴ ₹ 19.00 ÷ 4 = ₹ 4.75

8. ₹ 225.72 ÷ 6

```
   37.62
6)225.72
 - 18
    45
   -42
     3 7
    -3 6
      12
     -12
       0
```

∴ ₹ 225.72 ÷ 6 = ₹ 37.62

9. ₹ 73.60 ÷ 8

```
    9.2
8)73.60
 -72 00
   1 60
  -1 60
     0
```

∴ 73.60 ÷ 8 = ₹ 9.2

10. ₹ 73.20 ÷ 6

```
   12.2
6)73.20
 - 6
   13
 - 12
    1 2
   - 1 2
      0
```

∴ ₹ 73.20 ÷ 6 = ₹ 12.2

11. ₹ 62.80 ÷ 8

```
    7.85
8)62.80
 - 56
    6 8
   - 6 4
      45
     - 45
       0
```

∴ ₹ 62.80 ÷ 8 = ₹ 7.85

12. ₹ 82.80 ÷ 9

```
    9.2
9)82.80
 -81
   1 8
  -1 8
     0
```

∴ ₹ 82.80 ÷ 9 = ₹ 9.2

13. ₹ 59.75 ÷ 5

```
   11.95
5) 59.75
 - 50
    9
  - 5
    4 7
  - 4 5
      25
    - 25
      0
```

∴ ₹ 59.75 ÷ 5 = ₹ 11.95

14. ₹ 13.65 ÷ 7

```
    1.95
7)13.65
  -7
   6 6
  -6 3
     35
    -35
      0
```

∴ ₹ 13.65 ÷ 7 = ₹ 1.95

15. ₹ 39.06 ÷ 7

```
    5.58
7)39.06
 -35
   4 0
  -3 5
     56
    -56
      0
```

∴ ₹ 39.06 ÷ 7 = ₹ 5.58

Exercise 8.7

1. Cost of birthday present = ₹ 27.50
Cost of birthday card = ₹ 3.75
Total money spend = ₹ (27.50 + 3.75) = ₹ 31.25
Thus, he spend ₹ 31.25.

₹	P
27	. 50
+ 3	. 75
31	. 25

2. Cost of milk = ₹ 18.75
Cost of a slab of butter = ₹ 21.20
Cost of cheese = ₹ 9.75
Total cost of the items = ₹ (18.75 + 21.20 + 9.75)
= ₹ 49.70

₹	P
18	75
21	20
+ 9	75
49	70

Money given to shopkeeper = ₹ 100
Money get back = ₹ 100 – 49.70 = ₹ 50.3
Thus, Ram got back ₹ 50.3.

₹	P
100	00
– 49	70
50	30

3. Cost of wheat = ₹ 9.75
Amount charged by the cart puller = ₹ 85.75
Cart puller charges = ₹ 8.50
Total money spend = ₹ (9.75 + 85.75 + 8.50)
= ₹ 104.00

₹	P
9	75
85	75
+ 8	50
104	00

Thus, he spend ₹ 104 in all.

4. Cost of a chocolate = ₹ 19.25
Cost of a toffees = ₹ 11.80
Cost of a lollipops = ₹ 7.40
Total cost of items = ₹ (19.25 + 11.80 + 7.40) = ₹ 38.45
Thus, he spend ₹ 38.45.

₹	P
19	25
11	80
+ 7	40
38	45

5. Cost of Saree = ₹ 344.75
Money given to shop keeper = ₹ 500
Money get back = ₹ (500 – 344.75)
= ₹ 155.25
Thus, Reena got back = ₹ 155.25.

₹	P
500	00
– 344	75
155	25

6. Cost of a Chunni = ₹ 55.70
Money given to sales man = 10 × 6 = ₹ 60
Money back = ₹ (60 – 55.70) = ₹ 4.3
Thus, Meena got back = ₹ 4.3

₹	P
60	00
– 55	70
4	30

7. Cost of grapes = ₹ 36.50
Cost of pears = ₹ 70.30
Cost of Mangoes = ₹ 50.25
Total cost of fruits = ₹ (36.50 + 70.30 + 50.25)
= ₹ 157.05

₹	P
36	50
70	30
+ 50	25
157	05

Money given to the shop peeper = ₹ 200
Money got back = ₹ (200 – 157.05) = ₹ 42.95
Thus, Sunita got back ₹ 42.95

₹	P
200	00
– 157	05
42	95

8. Sum of ₹ 23.50 and ₹ 181.25
= ₹ 23.40 + ₹ 181.25
= ₹ 204.65

₹	P
23	40
+ 181	25
204	65

Subtract ₹ 204.65 from ₹ 245
= ₹ 245 – 204.65
= ₹ 40.35

₹	P
245	00
– 204	65
40	35

9. Difference of ₹ 925.15 and ₹ 506.80
= ₹ (925.15 – 506.80)
= ₹ 418.35
Add : ₹ (418.35 + 122.50) = ₹ 610.85

₹	P
925	15
– 506	80
418	35

₹	P
418	35
+ 122	50
610	85

10. Money deposited on Monday = ₹ 310.50
Money deposited on Tuesday = ₹ 125.75
Total money deposited = ₹ (310.50 + 125.75)
= ₹ 436.25

₹	P
310	50
+ 125	75
436	25

Money with drown on Friday = ₹ 284.50
Money left in the account = ₹ (436.25 – 284.50)
= ₹ 151.75

₹	P
436	25
– 284	50
151	75

11. Cost of the stamps = ₹ 6.25
Money given money = ₹ 10
Money received back = ₹ 10 – 6.25
= ₹ 3.75

₹	P
10	00
– 6	25
3	75

Exercise 8.8

1. Cost of a ball = ₹ 6.50
Cost of 6 balls = ₹ 6.50 × 6
= ₹ 39
Thus, cost of 6 balls is ₹ 39.

₹	P
6	50
×	6
39	00

2. Cost of a glass tumbler = ₹ 9.20
Cost of 5 glass tumblers = ₹ 9.20 × 5
= ₹ 46.00
Cost of 5 glass tumblers is ₹ 46.

₹	P
9	20
×	5
46	00

3. Cost of 3 pairs of chappals = ₹ 288
Cost of 1 pair of chappals = ₹ 288 ÷ 3
= ₹ 96
The cost of 1 pair of chappals is ₹ 96

```
   96
3)288
 -27
  18
 -18
   0
```

4. Cost of 5 big bundles of sugar-cane = ₹ 51.25
Cost of 1 big bundle of sugar-cane = ₹ 51.25 ÷ 5
= ₹ 10.25
Thus, cost of 1 bundle is ₹ 10.25

```
  10.25
5)51.25
 -5
  12
 -10
   25
  -25
    0
```

5. Cost of 6 bus tickets = ₹ 54
Cost of 1 bus ticket = ₹ 54 ÷ 6 = 9
Cost of one ticket is ₹ 9.

```
   9
6)54
 -54
   0
```

6. Cost of a pencil = ₹ 4.75
Cost of 3 pencils = ₹ 4.75 × 3
= ₹ 14.25
Cost of a note book = ₹ 8.75
Cost of 3 note books = ₹ 8.75 × 3
= ₹ 26.25

₹	P
4	75
×	3
14	25

₹	P
8	75
×	3
26	25

Total cost = ₹ 14.25 + 26.25
= ₹ 40.50

₹	P
14	25
+ 26	25
40	50

7. Amount to be shared = ₹ 36
Number of girls = 2
Share of each girl = ₹ 36 ÷ 2 = ₹ 18
∴ Each girl will receive ₹ 18.

₹	P
7 .	50
×	7
41 .	56

8. Cost of a bottle milk = ₹ 7.50
7 bottles of milk = ₹ 7.5 × 7
= ₹ 51.50
Cost of 7 such bottles is ₹ 51.50

9. Cost of each ticket = ₹ 15.50
Money required to buy their tickets = 15.50 × 3
= ₹ 46.50
Thus, ₹ 46.50 is the required money to buy tickets.

₹	P
15 .	50
×	3
46 .	50

10. Number of packets of grapes bought = 4
Amount given = ₹ 100
Money received back = ₹ 27
Now, cost of 4 packets of gropes = ₹ 100 – ₹ 27 = ₹ 73
∴ Cost of 1 packet of grapes = ₹ 73 ÷ 4 = ₹ 18.25

Mental Gym

1.
a. ₹ 2.00 = **200** paise
b. ₹ 3.00 = **300** paise
c. ₹ 5.00 = **500** paise
d. ₹ 8.00 = **800** paise
e. 900 paise = ₹ **9**
f. 1000 paise = ₹ **10**
g. 600 paise = ₹ **6**
h. 700 paise = ₹ **7**

2.
a. 638 p < 680 p
b. 1463 p > 1400 p
c. ₹ 2.00 = ₹ 1 + ₹ 1
d. 50 p + 50 p = 100 p
e. 600 p + 400 p > 400 p + 100 p
f. 700 p + 50 p < 800 p
g. 600 p < 1000 p
h. 1000 p < 6400 p

HOTS

a. 426 p = ₹ 42.60
b. 7178 p = ₹ 71.78
c. 639 p > ₹ 36.90
d. ₹ 14.50 < ₹ 18.50
e. ₹ 7.00 = 500 p + 200 p
f. ₹ 10 + ₹ 20 < 300 p

Have A Fun

2.
a. ₹ (50 × 1) + ₹ (10 × 3) + ₹ (2 × 1) + ₹ (1 × 2)
= ₹ (50 + 30 + 2 + 2) = ₹ 84

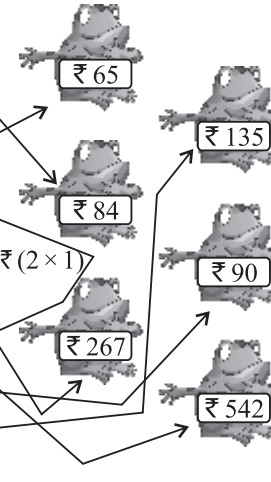
b. ₹ (100 × 2) + ₹ (10 × 6) + ₹ (5 × 1) + ₹ (1 × 2)
= ₹ (200 + 60 + 5 + 2) = 267

c. (20 × 2) + ₹ (10 × 2) + ₹ (5 × 1)
= ₹ (40 + 20 + 5) = ₹ 65

d. ₹ (500 × 1) + ₹ (20 × 1) + ₹ (10 × 1) + ₹ (5 × 2) + ₹ (2 × 1)
= ₹ (500 + 20 + 10 + 10 + 2) = ₹ 542

e. ₹ (50 × 1) + ₹ (10 × 4)
= ₹ (50 + 40) = ₹ 90

f. ₹ (100 × 1) + ₹ (20 × 1) + ₹ (10 × 1) + ₹ (5 × 1)
= ₹ (100 + 20 + 10 + 5) = ₹ 135



Exercise 9.1

1. 3 m = **300** cm (1 m = 100 cm)
(∴ 3 m = 3 × 10 = 300 cm)

2. 5 m 7 cm = **507** cm (1 m = 100 cm)
(∴ 5 m 7 cm = 5 × 100 + 7 = 507 cm)

3. 8 km 240 m = **8240** m (1 m = 1000 cm)
(8 km 240 m = 8 × 1000 + 240 = 8000 m + 240 m = 8240)

4. 85 m = **8500** cm (1 m = 100 cm)
(85 m = 85 × 100 = 8500 cm)

5. 45 km 88 m = **45088** m (1 m = 1000 cm)
(45 km 88 m = 45 × 1000 + 88 = 45000 m + 88 m = 45088 m)

6. 5 km 175 m = **5175** m (1 m = 100 cm)
(5 km 175 m = 5 × 1000 + 175 = 5000 m + 175 m = 5175 m)

7. 65 m 78 cm = **6578** cm (1 m = 100 cm)
(∴ 65 m 78 cm = 65 × 100 + 78 = 6500 cm + 78 cm = 6578 cm)

8. 2000 m = 2 km (1000 m = 1 cm)
(2000 m = 2000 ÷ 1000 = 2 km)

9. 4000 m = **4** km (1000 m = 1 km)
(4000 m = 4000 ÷ 1000 = 4 km)

10. 15 km 160m = **15160** m (1 km = 1000 m)
(15 km 160 m = 15 × 1000 + 160 = 15000 m + 160 m = 15160 m)

11. 7 m 39 cm = **739** cm (1 m = 100 cm)
(7 m 39 cm = 7 × 100 + 39 = 700 cm + 39 cm = 739 cm)

12. 500 m = **50000** cm (1 m = 100 cm)
(500 m = 500 × 100 = 50000 cm)

13. 16 m 37 cm = **1637** cm (1 m = 100 cm)
(16 m 37 cm = 16 × 100 + 37 = 1600 cm + 37 cm = 1637 cm)

14. 85 m 80 cm = **8580** cm (1 m = 100 cm)
(85 m 80 cm = 85 × 100 + 80 = 8500 cm + 80 cm = 8580 cm)

15. 500 m = **1.5** km (1000 m = 1 km)
(1500 m = 1500 ÷ 100 = 1.5 km)

16. 17 km 750 m = **17750** m (1 km = 1000 m)
(17 km 750 m = 17 × 1000 + 750 = 17000 m + 750 m = 17750 m)

17. 7 km 25 m = 7025 m (1 km = 1000 m)
(7 km 25 m = 7 × 1000 + 25 = 7000 m + 25 m = 7025 m)

18. 85 km = **85000** m (1 km = 1000 m)
(85 km = 85 × 1000 = 85000 m)

Exercise 9.2

Add the following by converting to centimetres :
(∴ 1 m = 100 cm, 100 cm = 1 cm)

1. Add : 47 m 25 cm and 65 m 63 cm

	47	25	cm
+	65	63	cm
	112	88	cm

⇒ 112 m 88 cm

2. Add : 345 m 26 cm and 277 m 25 cm

	345	26	cm
+	277	25	cm
	622	51	cm

⇒ 622 m 51 cm

3. Add : 30 m 96 and 50 m 27 cm

	30	96 cm
+	50	27 cm
	81	53 cm

⇒ 81 m 23 cm

4. Add : 185 m 76 cm and 265 m 18 cm

	185	76 cm
+	265	18 cm
	450	94 cm

⇒ 450 m 94 cm

5. Add : 256 m 25 cm and 544 m 45 cm

	256	25 cm
+	544	45 cm
	800	70 cm

⇒ 800 m 70 cm

6. Add : 135 m 47 cm and 27 m 26 cm

	135	47 cm
+	27	26 cm
	152	73 cm

⇒ 152 m 73 cm

7. Add : 225 m 70 cm and 145 m 88 cm

	225	70 cm
+	145	88 cm
	371	58 cm

⇒ 371 m 58 cm

8. Add : 40 m 89 cm and 650 m 95 cm

	40	89 cm
+	950	95 cm
	691	84 cm

⇒ 691 m 84 cm

9. Add : 350 m 38 cm and 115 m 80 cm

	350	38 cm
+	115	80 cm
	466	18 cm

⇒ 466 m 18 cm

10. Add : 108 m 70 cm, 19 m 5 cm and 170 m 28 cm

	108	70 cm
	19	05 cm
+	170	28 cm
	298	03 cm

⇒ 298 m 3 cm

11. Add : 220 m 20 cm, 120 m 2 cm and 85 m 78 cm

	220	20 cm
	120	02 cm
+	85	78 cm
	426	00 cm

⇒ 426 m

12. Add : 78 m 93 cm, 130 m 8 cm and 415 m 19 cm

	78	93 cm
	130	08 cm
+	415	19 cm
	624	20 cm

⇒ 624 m 20 cm

13. Add : 19 m 77 cm, 29 m 29 cm and 87 m 90 cm

	19	77 cm
	29	29 cm
+	87	90 cm
	136	96 cm

⇒ 136 m 96 cm

14. Add : 115 m 25 cm, 131 m 90 cm and 10 m 30 cm

	115	25
	131	90 cm
+	10	30 cm
	257	45 cm

⇒ 257 m 45 cm

15. Add : 202 m 76 cm and 302 m 30 cm

	202	76 cm
+	302	30 cm
	505	06 cm

⇒ 505 m 506 cm

16. Add : 478 m 95 cm and 125 m 25 cm.

	478	95 cm
+	125	25 cm
	604	20 cm

⇒ 604 m 20 cm

Exercise 9.3

1.

	m	cm
	45	30
+	40	00
	85	30

2.

	m	cm
	77	38
+	91	24
	168	62

3.

	m	cm
	67	89
+	52	74
	120	63

4.

	m	cm
	7	25
+	21	40
	28	65

5.

	m	cm
	48	78
+	97	14
	145	92

6.

	m	cm
	99	34
+	71	14
	170	48

7.

	m	cm
	51	88
+	18	39
	70	27

8.

	m	cm
	41	26
+	28	79
	70	05

9.

	m	cm
	10	26
+	28	79
	39	05

10.

	m	cm
	10	15
+	28	95
	39	10

11.

	m	cm
	368	94
+	54	28
	423	22

12.

	m	cm
	985	76
+	54	11
	1039	87

13.

	m	cm
	540	35
+	120	44
	660	79

14.

	m	cm
	120	95
+	92	12
	213	07

15.

	m	cm
	345	87
+	92	74
	438	61

Exercise 9.4

Subtract the following with conversion :

Ans. 1. 98 m 54 cm – 65 m 12 cm

	98	54 cm
–	65	12 cm
	33	42 cm

⇒ 33 m 42 cm

2. 96 m 74 cm – 53 m 42 cm

	96	74 cm
–	53	42 cm
	43	32 cm

⇒ 43 m 32 cm

3. 52 m 20 cm – 41 m 67 cm

	52	20 cm
–	41	67 cm
	10	53 cm

⇒ 10 m 53 cm

4. 82 m 67 cm – 34 m 16 cm

	82	67 cm
–	34	16 cm
	48	51 cm

⇒ 48 m 51 cm

5. 79 m 16 cm – 22 m 15 cm

	79	16 cm
–	22	15 cm
	57	01 cm

⇒ 57 m 01 cm

6. 53 m 47 cm – 27 m 96 cm

	53	47 cm
–	27	96 cm
	25	51 cm

⇒ 25 m 51 cm

7. 68 m 32 cm – 24 m 81 cm

	68	32 cm
–	24	81 cm
	43	51 cm

⇒ 43 m 51 cm

8. 970 m 24 cm – 15 m 84 cm

	970	24 cm
–	15	84 cm
	954	40 cm

⇒ 954 m 40 cm

9. 243 m 5 cm – 138 m 78 cm

	249	05 cm
–	138	78 cm
	110	27 cm

⇒ 110 m 27 cm

10. 250 m 60 cm – 108 m 48 cm

	250	60 cm
–	108	48 cm
	142	12 cm

⇒ 142 m 12 cm

11. 136 m 10 cm – 124 m 63 cm

	136	10 cm
–	124	63 cm
	11	47 cm

⇒ 11 m 47 cm

12. 178 m 44 cm – 151 m 15 cm

	178	44 cm
–	151	15 cm
	27	29 cm

⇒ 27 m 29 cm

13. 209 m 39 cm – 135 m 5 cm

	209	39 cm
–	135	05 cm
	74	34 cm

⇒ 74 m 34 cm

14. 240 m 38 cm – 118 m 96 cm

	240	38 cm
–	118	96 cm
	121	42 cm

⇒ 121 m 42 cm

15. 70 m 1 cm – 15 m 39 cm

	70	01 cm
–	15	39 cm
	54	62 cm

⇒ 54 m 62 cm

16. 85 m 78 cm – 39 m 26 cm

	85	78 cm
–	39	26 cm
	46	52 cm

⇒ 46 m 52 cm

Exercise 9.5

1.

	m	cm
	56	23
–	41	11
	15	12

2.

	m	cm
	87	64
–	58	23
	29	41

3.

	m	cm
	79	34
–	55	12
	24	22

4.

	m	cm
	37	21
–	30	10
	7	11

5.

	m	cm
	84	27
–	21	40
	62	87

6.

	m	cm
	55	72
–	44	13
	11	59

7.

	m	cm
	67	54
–	32	24
	35	30

8.

	m	cm
	92	71
–	41	31
	51	40

9.

	m	cm
	480	64
–	27	53
	453	11

10.

	m	cm
	870	92
–	36	47
	834	45

	m	cm
11.	567	52
	– 31	14
	536	38

	m	cm
12.	120	97
	– 99	33
	21	64

	m	cm
13.	744	68
	– 57	86
	686	82

	m	cm
14.	853	22
	– 28	05
	825	17

	m	cm
15.	793	94
	– 65	48
	728	46

	m	cm
16.	655	11
	– 28	77
	626	34

	m	cm
17.	135	45
	– 87	64
	47	81

	m	cm
18.	352	54
	– 87	90
	264	64

	m	cm
19.	963	47
	– 82	52
	880	95

	m	cm
20.	943	25
	–187	26
	755	99

	m	cm
21.	547	36
	–298	54
	248	82

	m	cm
22.	636	67
	–178	49
	458	18

	m	cm
23.	531	16
	–117	53
	413	63

	m	cm
24.	540	75
	–265	51
	275	24

	m	cm
25.	856	85
	–267	17
	589	68

	m	cm
26.	654	60
	–133	75
	520	85

	m	cm
27.	850	45
	–397	82
	452	63

	m	cm
28.	756	75
	–481	42
	275	33

	m	cm
29.	450	68
	–240	79
	209	89

	m	cm
30.	466	32
	–225	07
	241	25

Exercise 9.6

Multiply the following :

	m	cm
1.	42	56
	× 2	
	85	12

	m	cm
2.	83	19
	× 3	
	249	57

	m	cm
3.	58	14
	× 3	
	175	02

	m	cm
4.	75	91
	× 6	
	455	46

	m	cm
5.	15	20
	× 3	
	45	60

	m	cm
6.	67	87
	× 8	
	542	96

	m	cm
7.	93	84
	× 6	
	563	04

	m	cm
8.	74	23
	× 7	
	519	61

	m	cm
9.	690	57
	× 8	
	5524	56

	m	cm
10.	540	57
	× 11	
	5946	27

	m	cm
11.	235	62
	× 10	
	2356	20

	m	cm
12.	723	18
	× 8	
	5785	44

	m	cm
13.	470	54
	× 6	
	2823	24

	m	cm
14.	500	26
	× 6	
	3001	56

	m	cm
15.	25	31
	× 7	
	177	17

	m	cm
16.	42	75
	× 8	
	342	00

	m	cm
17.	345	25
	× 9	
	3107	25

	m	cm
18.	65	74
	× 7	
	460	18

	m	cm
19.	78	24
	× 5	
	391	20

	m	cm
20.	182	45
	× 2	
	364	90

	m	cm
21.	550	68
	× 2	
	1101	36

	m	cm
22.	54	26
	× 6	
	325	56

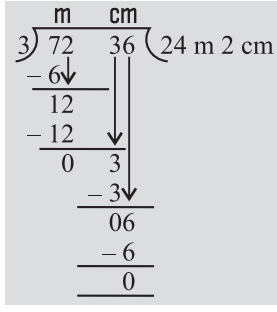
	m	cm
23.	85	64
	× 6	
	513	84

	m	cm
24.	57	22
	× 4	
	228	88

	m	cm
25.	270	67
	× 6	
	1624	02

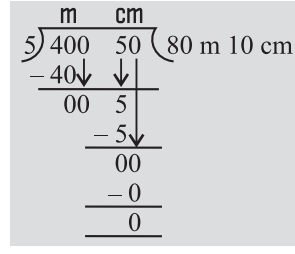
Exercise 9.7

1. 72m 36 cm ÷ 3



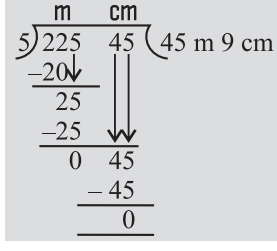
∴ 24 m 12 cm

2. 400 m 50 cm ÷ 5



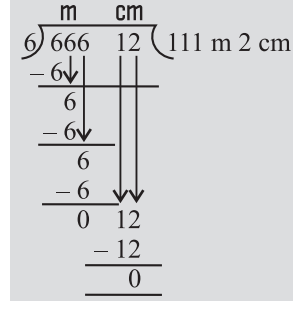
∴ 80 m 10 cm

3. 225m 45cm ÷ 5



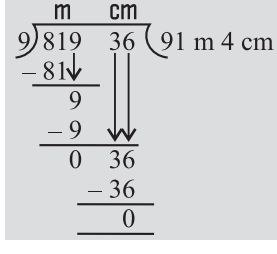
∴ 45 m 09 cm

4. 666m 12cm ÷ 6



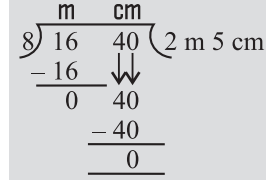
∴ 111 m 2 cm

5. 819m 36cm ÷ 9



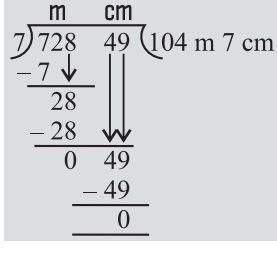
∴ 91 m 04 cm

6. 16 m 40cm ÷ 8



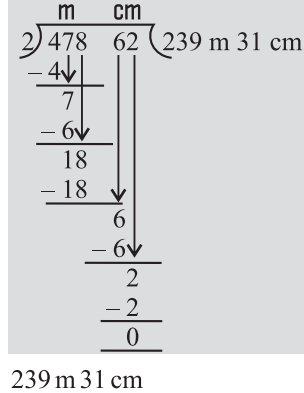
∴ 2 m 5 cm

7. 728m 49cm ÷ 7



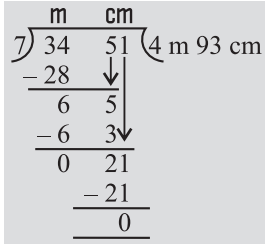
∴ 104 m 7 cm

8. 478m 62cm ÷ 2



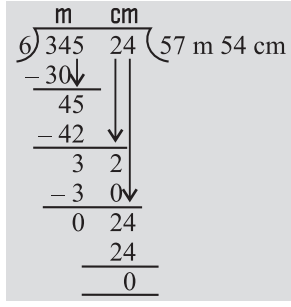
∴ 239 m 31 cm

9. 34 m 51 cm ÷ 7



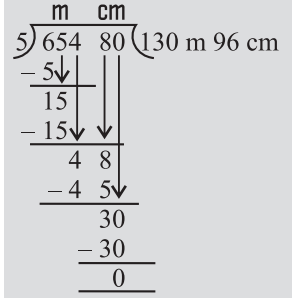
∴ 4 m 93 cm

10. 345 m 24 cm ÷ 6



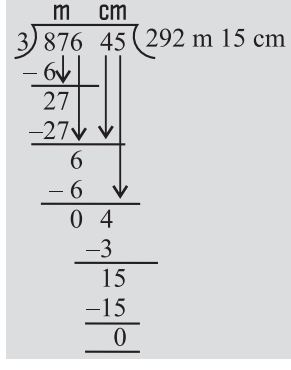
∴ 57 m 54 cm

11. 654 m 80 cm ÷ 5



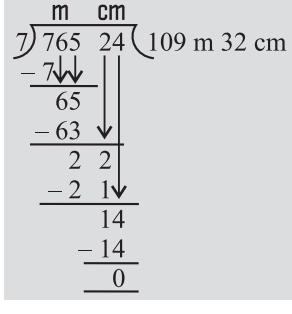
∴ 130 m 96 cm

12. 876 m 45 cm ÷ 3



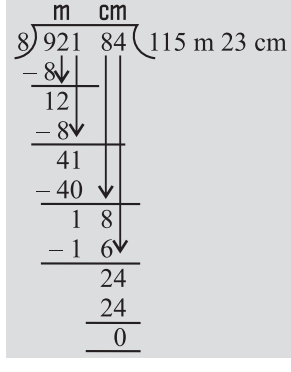
∴ 292 m 15 cm

13. 765 m 24 cm ÷ 7



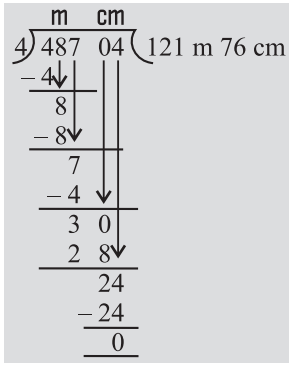
∴ 109 m 32 cm

14. 921 m 84 cm ÷ 8



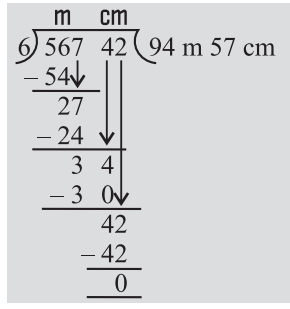
∴ 115 m 2 cm

15. 487 m 04 cm ÷ 4



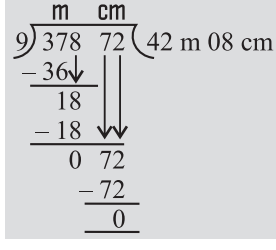
∴ 121 m 76 cm

16. 567 m 42 cm ÷ 6



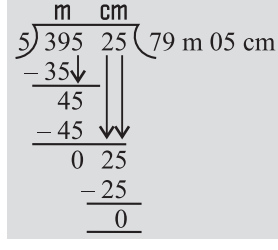
∴ 94 m 57 cm

17. 378 m 72 cm ÷ 9



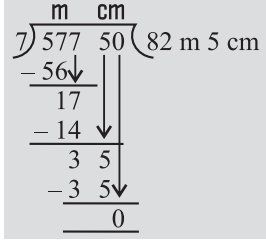
∴ 42 m 08 cm

18. 395 m 25 cm ÷ 5



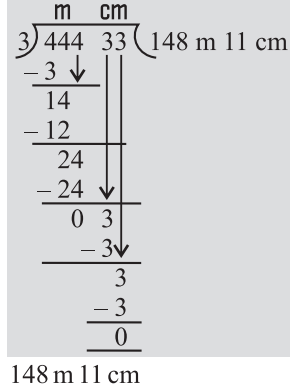
∴ 79 m 05 cm

19. 577 m 50 cm ÷ 7



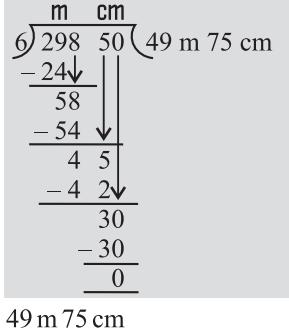
∴ 82 m 05 cm

20. 444 m 33 cm ÷ 3



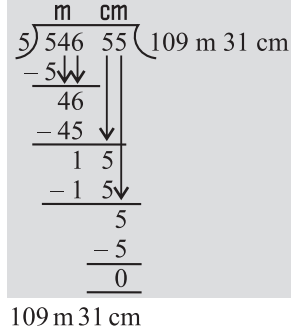
∴ 148 m 11 cm

21. 298 m 50 cm ÷ 6



∴ 49 m 75 cm

22. 546 m 55 cm ÷ 5



∴ 109 m 31 cm

23. 490 m 35 cm ÷ 7

	m	cm	
7	460	35	70 m 05 cm
	− 49		
	0	35	
		− 35	
		0	

∴ 70 m 5 cm

24. 876 m 88 cm ÷ 8

	m	cm	
8	876	88	109 m 61 cm
	− 8		
	76		
	− 72		
	4	8	
	− 4	8	
		8	
		− 8	
		0	

∴ 109 m 61 cm

Exercise 9.8

1. Length of one piece of cloth = 26 m 25 cm
Length of second piece of cloth = 22 m 75 cm
Length of third piece of cloth = 24 m 50 cm
Total length of cloth = 26 m 25 cm + 22 m 75 cm + 24 m 50 cm
= 73 m 50 cm
Thus, a cloth merchant has 73 m 50 cm.

	m	cm
	26	25
	22	75
+	24	50
	73	50

2. Height tree of the broken mark = 2 m 85 cm
Height of remaining tree = 12 m 25 cm
Height of the tree before the break = 2 m 85 cm + 12 m 25 cm
= 15 m 10 cm
Thus, height of the tree is 15 m 10 cm.

	m	cm
	2	85
+	12	25
	15	10

3. Length of Raja's Jump = 1 m 10 cm or 110 cm
Mani's jumped = 95 cm
Comparision = 110 cm > 95 cm
Thus, Raja jumped higher than Mani.

	1 1 0	cm
−	9 5	cm
	1 5	cm

4. Length of cloth = 32 m 20 cm
Length of cloth cut = 25 m 75 cm
= 32 m 20 cm – 25 m 75 cm
= 6 m 45 cm
Thus, 6 m 45 cm cloth is left.

	m	cm
	32	20
−	25	75
	6	45

5. Length of a paper = 2 m 57 cm
Length of cut paper = 1 m 38 cm
Length of left paper = 2 m 57 cm – 1 m 38 cm
= 1 m 19 cm
Thus, 1 m 19 cm paper was left.

	m	cm
	2	57
−	1	38
	1	19

6. Number of runners = 6
Distance covered by 6 runners = 366 m 54 cm
Distance covered by 1 runner
= 366 m 54 cm ÷ 6
= 61 m 9 cm

	m	cm	
6	366	54	61 m 9 cm
	− 36		
	6		
	− 6		
	0	54	
		− 54	
		0	

7. Length of cable wire in 1 roll = 97 m 36 cm or (1 m = 100 cm)
= 97 × 100 + 36 cm
= 9700 + 36 cm
= 9736 cm

		9	7	3	6
			×	2	9
	8	7	6	2	4
1	9	4	7	2	0
2	8	2	3	4	4

Number of roll = 29
Length of wire in 29 rolls = (9736 × 29) cm
= 282344 cm or 2823 m 44 cm
Thus, 2823 m 44 cm wire in 29 rolls.

8. Distance covered in 1 min = 80 m 25 cm (1 m = 100 cm)
= 80 × 100 + 25 cm
= 8025 cm

		8	0	2	5
			×	2	5
	4	0	1	2	5
1	6	0	5	0	0
2	0	0	6	2	5

Distance covered in 25 min = (8025 × 25) cm
= 200625 cm or 2006 m 25 cm

9. Length of cloth = 24 m 40 cm
Number of pieces = 8
Length of 1 piece = 24 m 40 cm ÷ 8
= 30 m 5 cm
= 30 m 5 m
Thus, the length of 1 piece of cloth is 30 m 5 cm.

m	cm	
8) 24	40	(30 m 5 cm
− 24	↓↓	
0	40	
	− 40	
	0	

10. Length of ribbon = 16 m 52 cm
Number of pieces = 4
Length of 1 piece = 16 m 52 cm ÷ 4
= 4 m 13 cm
Thus, the length of 1 piece of ribbon in 4 m 13 cm.

m	cm	
4) 16	52	(4 m 13 cm
− 16	↓	
	5	
	− 4↓	
	12	
	− 12	
	0	

11. Length of cloth = 25 m 70 cm
Number of pieces = 5
Length of one pieces = 25 m 70 cm ÷ 5
= 5 m 14 cm
Thus, the length of one piece is 5 m 14 cm.

m	cm	
5) 25	70	(5 m 14 cm
− 25	↓	
	7	
	− 5↓	
	20	
	− 20	
	0	

12. Length of white colour cloth = 27 m 15 cm
Length of blue colour cloth = 38 m 26 cm
Total length of both the clothes = 27 m 15 cm + 38 m 26 cm
= 65 m 41 cm

	m	cm
	27	15
+	38	26
	65	41

13. Length of one rope = 6 m 28 cm
Length of other rope = 5 m 18 cm
Total length of the rope = 6 m 28 cm + 5 m 18 cm
= 11 m 46 cm
Thus, total length of rope is 11 m 46 cm.

	m	cm
	6	28
+	5	18
	11	46

14. Length of blue thread = 100 m
Length of thread given = 25 m 36 cm
Lenght of the thread left = 100 m – 25 m 36 cm
= 74 m 64 cm

m	cm
100	00
− 25	36
74	64

15. Length of 1 rope = 47 m 37 cm
Length of an other rope = 57 m 90 cm
Total length of the ropes = 47 m 37 cm + 57 m 90 cm
= 105 m 27 cm

m	cm
47	37
+ 57	90
105	27

16. Length of the plastic wire = 80 m 20 cm
Length of wire used = 35 m 10 cm
Length of the wire left = 80 m 0 cm – 35 m 10 cm
= 45 cm 10 cm
Thus, 45 m 10 cm left on the roll.

m	cm
80	20
– 35	10
45	10

Exercise 9.9

1.

km	m
92	600
+ 34	023
126	623

2.

km	m
84	099
+ 62	450
146	549

3.

km	m
79	255
+ 11	221
90	476

4.

km	m
35	210
+ 11	215
46	425

5.

km	m
93	021
+ 81	055
174	076

6.

km	m
①	
57	690
+ 45	350
103	040

7.

km	m
65	346
+ 12	017
77	363

8.

km	m
120	575
+ 24	330
144	905

9.

km	m
655	064
+ 78	436
733	500

10.

km	m
240	670
+ 85	042
325	712

11.

km	m
481	064
+ 86	035
567	099

12.

km	m
①	
654	644
+ 78	432
733	076

13.

km	m
423	010
+ 16	175
439	185

14.

km	m
556	962
+ 78	348
635	310

15.

km	m
426	070
+125	550
551	620

16.

km	m
960	018
+ 17	043
977	061

17.

km	m
344	728
+ 56	243
400	971

18.

km	m
226	235
+135	255
361	490

19.

km	m
425	620
+ 82	095
507	715

20.

km	m
776	018
+ 42	648
818	666

21.

km	m
689	437
+231	098
920	535

22.

km	m
912	268
+375	378
1287	646

23.

km	m
①	
421	990
+821	120
1243	110

24.

km	m
144	322
+534	178
678	500

25.

km	m
850	140
+960	800
1810	940

26.

km	m
①	
896	924
451	025
+ 13	135
1331	084

27.

km	m
643	321
135	310
+ 21	021
799	652

28.

km	m
480	521
540	268
+ 25	072
1045	861

29.

km	m
850	140
960	200
+ 56	128
1866	468

30.

km	m
821	165
721	072
+ 14	410
1556	647

Exercise 9.10

1.

km	m
77	524
–30	060
47	464

2.

km	m
86	470
–36	214
50	256

3.

km	m
38	622
–14	326
24	296

4.

km	m
90	818
–87	460
3	358

5.

km	m
22	011
–10	112
11	899

6.	km	m
	54	723
−	25	321
	29	402

7.	km	m
	72	287
−	27	256
	45	331

8.	km	m
	102	465
−	87	624
	14	841

9.	km	m
	802	160
−	28	037
	774	123

10.	km	m
	721	330
−	45	630
	675	700

11.	km	m
	643	338
−	91	278
	552	060

12.	km	m
	292	921
−	41	439
	251	482

13.	km	m
	156	076
−	44	097
	111	979

14.	km	m
	989	780
−	92	220
	897	560

15.	km	m
	207	622
−	105	572
	102	050

16.	km	m
	908	630
−	219	098
	590	532

17.	km	m
	1860	020
−	897	060
	962	960

18.	km	m
	845	862
−	349	275
	496	587

19.	km	m
	292	321
−	41	239
	251	082

20.	km	m
	643	788
−	91	678
	552	110

21.	km	m
	271	233
−	45	362
	225	871

22.	km	m
	802	600
−	28	037
	774	563

23.	km	m
	102	056
−	78	024
	24	032

24.	km	m
	482	895
−	97	568
	385	327

25.	km	m
	462	261
−	259	066
	203	195

26.	km	m
	897	050
−	652	145
	244	905

27.	km	m
	201	085
−	88	190
	112	895

28.	km	m
	878	392
−	65	078
	813	314

29.	km	m
	925	305
−	766	525
	158	780

30.	km	m
	391	678
−	71	042
	320	636

31.	km	m
	847	723
−	802	037
	52	686

32.	km	m
	772	587
−	292	151
	480	436

33.	km	m
	702	465
−	180	032
	522	433

34.	km	m
	802	160
−	483	265
	318	895

35.	km	m
	721	330
−	605	090
	116	240

36.	km	m
	389	624
−	54	723
	334	901

37.	km	m
	692	345
−	221	234
	471	111

38.	km	m
	602	056
−	111	222
	490	834

39.	km	m
	802	160
−	28	037
	774	123

40.	km	m
	207	622
−	182	450
	23	172

Exercise 9.11

1. Distance covered by train = 137 km 250 m
Distance covered by bass = 40 km 75 m
Distance covered by rich show = 5 km 125 m
Total distance covered
= 137 km 250 m + 40 km 75 m + 5 km 250 m
= 183 km 125 m
Thus, Rita covered the total distance of 183 km 125 m.

	km	m
	137	250
	40	750
+	5	125
	183	125

2. Distance covered by plane = 365 km 250 m
Distance covered by bus = 25 km 125 m
Distance covered by train = 50 km 75 m
Total distance covered = 365 km 250 m + 25 km 125 m + 50 km 75
= 441 km 125 m
Thus Manan covered a total distance of 441 km 125 m.

	km	m
	365	250
	25	125
+	50	075
	441	125

3. Distance Reena's hourse from the bus stand = 6 km 125 m
Distance Puja's house from the bus stand = 5 km 275 m
Difference = 6 km 125 m – 5 km 275 m = 850 m
Thus Reena's house is 850 metres further than Puja's house from bus stand.

km	m
6	125
– 5	275
	850

4. Distance of my village from Delhi = 51 km 250 m.
Distance of Ravi's village from Delhi = 39 km 470 m
Comparison of two distance = 51 km 250 m > 39 km 470 m
Difference = 51 km 250 m – 39 km 470 m
= 11 km 780 m
Thus, my village at greater distance by Delhi.

km	m
51	250
– 39	470
11	780

5. Distance covered in the morning = 6 km 85 m
Distance covered in the evening = 5 km 925 m
Total distance covered in the day = 6 km 85 m + 5 km 925 m
= 12 km 10 m
Thus, Ritu covered 12 km 10 m.

km	m
6	085
+ 5	925
12	010

6. Distance covered while going to school = 3 km 125 m
Distance covered while going to central station = 5 km 85 m
Distance covered while going to his house = 6 km 175 m
Total distance covered = 3 km 125 m + 5 km 85 m + 6 km 175 m
= 19 km 385 m
Anu covered 19 km 38 m distance in total.

m	cm
3	125
5	085
+ 6	175
19	385

7. Distance between St. John's school from St. Mary's school = 5 km 140 m
Distance between St. Many's school from Vandana's home = 2 km 65 m
Total distance covered by Vandana = 5 km 140 m + 2 km 65 m
= 7 km 205 m
Thus, Vandan travels 7 km 205 m in total.

km	m
5	140
+ 2	065
7	205

8. Distance via train route = 72 km 725 m
Distance via bus route = 70 km 850 m
Difference = 72 km 725 m – 70 km 850 m

km	m
72	725
– 70	850
1	875

9. Total jorrney = 120 km
Distance covered by bus = 70 km 400 m
Distance covered by trian = 120 km – 70 km 400 m
= 49 km 600 m

km	m
120	000
– 70	400
49	600

10. Total distance to be said = 54 km
Distance covered in one day = 8 km 248 m
Reman distance = 54 km – 8 km 248 m
= 46 km 752 m

km	m
54	000
– 8	248
46	752

11. Length of road bridge = 4 km 287 m
Length of railway bridge = 3 km 624 m
Total length of the two bridges = 4 km 287 m + 3 km 624 m
= 7 km 911 m
Thus, length of two bridges is 7 km 911 m.

km	m
4	287
+ 3	624
7	911

12. Distance covered on foot = 1 km 375 m
Distance covered by bus = 5 km 425 m
Distance covered by taxi = 2 km 150 m

m	cm
1	375
5	425
+ 2	150
8	860

Total distance covered by Kumaramanglam
= 1 km 375 m + 5 km 425 m + 2 km 150 m
= 8 km 860 m
Thus, Kamaramanglam covered here 8 km 860 m.

Mental Gym

1. a. 450 cm > 2 m
b. 800 m < 1 km
c. 200 m + 200 m < 1 km
d. 500 m + 500 m = 1 km

2. a. A ribbon 1 m long is cut into 2 equal parts.
So, the length of each part is **50** cm.
b. 200 cm = **2** m.

Have A Fun

Ans. Distance covered on 1st day = **9** km
Distance covered on 2nd day = **7** km
Distance covered on 3rd day = **10** km
Distance covered on 4th day = **3** km
Total distance covered is **29** km

Find the distance between :

(a) Delhi and Agra
Road distance = 226 km;
Rail distance = 184 km

(b) Chennai and Bengaluru.
Road distance = 326 km;
Rail distance = 348 km

10 Mass

Exercise 10.1

1. b. 3 kg 275 g = (3 × 1000 + 275) = 3000 g + 275 g = 3075 g
c. 7 kg 465 g = (7 × 1000 + 465) = 7000 g + 465 g = 7465 g
d. 15 kg 25 g = (15 × 1000 + 25) = 15000 g + 25 g = 15025 g
e. 10 kg 250 g = (10 × 1000 + 250) = 10000 g + 250 g
f. 20kg 340g = (20 × 1000 + 340) = 20000 g + 340 g = 20340 g
g. 32kg 225g = (32 × 1000 + 225) = 32000 g + 225 g = 3225 g
h. 40kg 560g = (40 × 1000 + 560) = 40000 g + 560 g = 40560 g
i. 50kg 290g = (50 × 1000 + 290) kg = 50000 g + 290 g = 50290 g
j. 70kg 450 = (70 × 1000 + 450) kg 70000 g + 450 g = 70450 g

2. b. 3000 g = (3000 ÷ 1000) kg = 3 kg
c. 17470 g = (17470 ÷ 1000) kg = 17 kg 470 g
d. 25270 g = (25270 ÷ 1000) kg = 25 kg 270 g
e. 4578 g = (4578 ÷ 1000) kg = 4 kg 578 g
f. 61259g = (61259 ÷ 1000) kg = 61 kg 259 g
g. 33598g = (33598 ÷ 1000) kg = 33 kg 598 g
h. 8467g = (8467 ÷ 1000) kg = 8 kg 467 g
i. 40356g = (40356 ÷ 1000) kg = 40 kg 356 g
j. 54423g = (54423 ÷ 1000) kg = 54 kg 423 g

Exercise 10.2

Add with conversion : (1 kg = 1000 g; 1000 g = 1 kg)

1. 70 kg 450 g and 95 kg 200 g

	70	450 g
+	95	200 g
	165	650 g

⇒ 165 kg 650 g

2. 57 kg 230 g and 41 kg 180 g

	57	230 g
+	41	180 g
	99	410 g

⇒ 99 kg 410 g

3. 20 kg 135 g and 40 kg 170 g

	20	135 g
+	40	170 g
	60	305 g

⇒ 60 kg 305 g

4. 22 kg 245 g and 50 kg 800 g

	22	245 g
+	50	800 g
	73	045 g

⇒ 73 kg 045 g

5. 720 kg 620 g and 370 kg 960 g

	720	620 g
+	370	960 g
	1091	580 g

⇒ 1091 kg 580 g

6. 225 kg 540 g and 165 kg 270 g

	225	540 g
+	165	270 g
	390	810 g

⇒ 390 kg 810 g

7. 615 kg 270g and 212 kg 960 g

	615	270 g
+	212	960 g
	828	230 g

⇒ 828 kg 230 g

8. 845 kg 170 g and 497 kg 312 g

	845	170 g
+	497	312 g
	1342	482 g

⇒ 1342 kg 482 g

9. 135 kg 175 g and 670 kg 831 g

	135	175 g
+	670	831 g
	806	006 g

⇒ 806 kg 6 g

10. 823 kg 713 g and 670 kg 831 g

	823	713 g
+	670	831 g
	1494	544 g

⇒ 1494 kg 544 g

11. 235 kg 440 g and 213 kg 172 g

	235	440 g
+	213	172 g
	448	612 g

⇒ 448 kg 612 g

12. 923 kg 120 g and 430 kg 860 g

	923	120 g
+	430	860 g
	1353	980 g

⇒ 1353 kg 980 g

13. 135 kg 120 g and 80 kg 250 g

	135	120 g
+	80	250 g
	215	370 g

⇒ 215 kg 370 g

14. 223 kg 500 g and 140 kg 340 g

	223	500 g
+	140	340 g
	363	840 g

⇒ 363 kg 840 g

15. 43 kg 809 g, 65 kg 200 g and 55 kg 057 g
⇒ 124 kg 637 g

	43	809 g
	65	200 g
+	55	057 g
	124	637 g

16. 36 kg 7 g, 15 kg 250 g and 21 kg 405 g
⇒ 72 kg 662 g

	36	007 g
	15	250 g
+	21	450 g
	72	662 g

Exercise 10.3

Subtraction with conversion :

1. 480 kg 700 g – 230 kg 170 g

	480	700 g
–	230	170 g
	250	530 g

⇒ 250 kg 530 g

2. 920 kg 265 g – 227 kg 800 g

	920	265 g
–	227	800 g
	692	465 g

⇒ 692 kg 465 g

3. 628 kg 961 g – 423 kg 710 g

	628	961 g
–	423	710 g
	205	251 g

⇒ 205 kg 251 g

4. 947 kg 620 g – 187 kg 150 g

	947	620 g
–	187	150 g
	760	470 g

⇒ 760 kg 47 g

5. 457 kg 120 g – 325 kg 260 g

	457	120 g
–	325	260 g
	131	860 g

⇒ 131 kg 860 g

6. 617 kg 590 g – 350 kg 270 g

	617	590 g
–	350	270 g
	267	320 g

⇒ 267 kg 32 g

7. 525 kg 250 g – 130 kg 270 g

	525	250 g
–	130	270 g
	394	980 g

⇒ 394 kg 980 g

8. 852 kg 350 g – 512 kg 600 g

	852	350 g
–	512	600 g
	330	750 g

⇒ 330 kg 750 g

9. 920 kg 265 g – 227 kg 800 g

	920	265 g
–	227	800 g
	692	465 g

⇒ 692 kg 465 g

10. 532 kg 180 g – 80 kg 450 g

	532	180 g
–	80	450 g
	451	730 g

⇒ 451 kg 730 g

11. 827 kg 970 g – 421 kg 160 g

	827	970 g
–	421	160 g
	406	810 g

⇒ 406 kg 810 g

12. 890 kg 250 g – 270 kg 125 g

	890	250 g
–	270	125 g
	620	125 g

⇒ 620 kg 125 g

13. 752 kg 180 g – 374 kg 450 g

	752	180 g
–	374	450 g
	377	730 g

⇒ 377 kg 730 g

14. 972 kg 520 g – 226 kg 410 g

	972	520 g
–	226	410 g
	746	110 g

⇒ 746 kg 110 g

15. 772 kg 540 g – 221 kg 520 g

	772	540 g
–	221	520 g
	551	020 g

⇒ 551 kg 20 g

16. 432 kg 596 g – 324 kg 873 g

	432	596 g
–	324	873 g
	107	723 g

⇒ 107 kg 723 g

Exercise 10.4

1.

kg	g
47	863
+ 33	469
81	332

2.

kg	g
57	494
+ 21	231
78	725

3.

kg	g
63	714
+ 90	826
154	540

4.

kg	g
43	461
+ 53	013
96	474

5.

kg	g
92	633
+ 43	714
136	347

6.

kg	g
78	224
+ 19	582
97	806

7.

kg	g
44	512
+ 32	120
76	632

8.

kg	g
55	345
+ 45	643
100	988

9.

kg	g
23	534
+ 54	323
77	857

10.

kg	g
12	750
+ 22	783
35	533

11.

kg	g
69	675
+ 80	121
149	796

12.

kg	g
65	123
+ 40	456
105	579

13.

kg	g
51	215
+ 23	021
74	236

14.

kg	g
45	336
+ 91	285
136	621

15.

kg	g
54	298
+ 62	954
117	552

16.

kg	g
34	456
39	567
+ 87	321
161	344

17.

kg	g
76	627
29	543
+ 72	826
178	996

18.

kg	g
45	643
51	215
+ 23	021
119	879

19.

kg	g
45	336
78	122
+ 91	285
214	743

20.

kg	g
90	826
45	289
+ 26	597
162	712

Exercise 10.5

1.

kg	g
45	133
– 21	226
23	907

2.

kg	g
83	762
– 12	514
71	248

3.

kg	g
55	642
– 32	319
23	323

4.

kg	g
76	862
– 24	831
52	031

5.

kg	g
98	777
– 31	214
67	563

6.

kg	g
67	435
– 25	162
42	273

7.

kg	g
72	753
– 42	260
30	493

8.

kg	g
87	713
– 61	907
25	806

9.

kg	g
34	455
– 22	395
12	860

10.

kg	g
47	675
– 34	200
13	475

11.	kg	g
	55	467
–	30	781
	24	686

12.	kg	g
	76	866
–	24	312
	52	554

13.	kg	g
	450	723
–	33	914
	416	809

14.	kg	g
	225	969
–	12	332
	213	637

15.	kg	g
	625	636
–	21	454
	604	182

16.	kg	g
	729	655
–	32	492
	697	163

17.	kg	g
	321	233
–	32	454
	288	779

18.	kg	g
	496	982
–	78	340
	418	642

19.	kg	g
	566	788
–	97	250
	469	538

20.	kg	g
	391	426
–	75	818
	315	608

21.	kg	g
	496	792
–	125	260
	371	532

22.	kg	g
	952	621
–	135	317
	817	304

23.	kg	g
	690	778
–	123	245
	567	533

24.	kg	g
	425	094
–	152	625
	272	469

25.	kg	g
	656	273
–	249	317
	406	956

Exercise 10.6

1.	kg	g
	82	026
		× 2
	164	052

2.	kg	g
	42	079
		× 4
	168	316

3.	kg	g
	23	050
		× 7
	161	350

4.	kg	g
	94	060
		× 8
	752	480

5.	kg	g
	82	053
		× 7
	574	371

6.	kg	g
	94	026
		× 7
	658	182

7.	kg	g
	84	032
		× 8
	672	256

8.	kg	g
	56	031
		× 5
	280	155

9.	kg	g
	290	072
		× 3
	870	216

10.	kg	g
	235	069
		× 7
	1645	483

11.	kg	g
	225	078
		× 8
	1800	624

12.	kg	g
	624	031
		× 3
	1872	093

13.	kg	g
	661	174
		× 7
	4628	218

14.	kg	g
	212	067
		× 2
	424	134

15.	kg	g
	781	048
		× 6
	4686	288

16.	kg	g
	435	069
		× 7
	3045	483

17.	kg	g
	985	121
		× 6
	5910	726

18.	kg	g
	752	144
		× 5
	3760	720

19.	kg	g
	923	156
		× 5
	4615	780

20.	kg	g
	652	120
		× 3
	1956	360

21.	kg	g
	531	262
		× 3
	1593	786

22.	kg	g
	215	029
		× 2
	430	058

23.	kg	g
	462	031
		× 5
	2310	155

24.	kg	g
	197	260
		× 6
	1183	560

25.	kg	g
	932	072
		× 5
	4660	360

26.	kg	g
	652	120
		× 3
	1956	360

27.	kg	g
	351	622
		× 2
	703	244

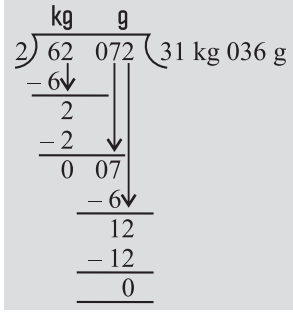
28.	kg	g
	572	144
		× 5
	2860	720

29.	kg	g
	895	121
		× 6
	5370	726

30.	kg	g
	695	172
		× 7
	4866	204

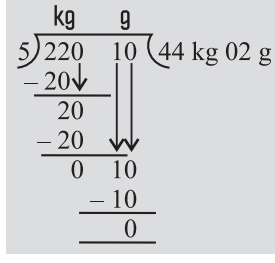
Exercise 10.7

1. 62kg 072g ÷ 2



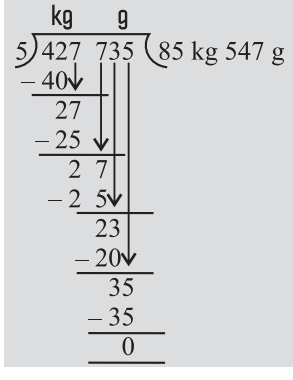
∴ 31 kg 36 g

2. 220kg 10g ÷ 5



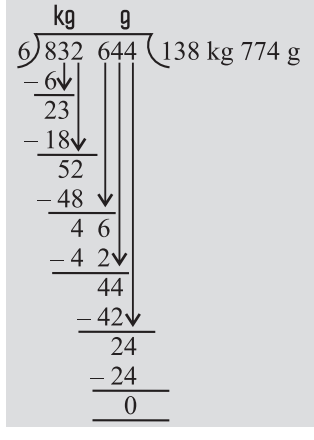
∴ 44 kg 2 g

3. 427kg 735g ÷ 5



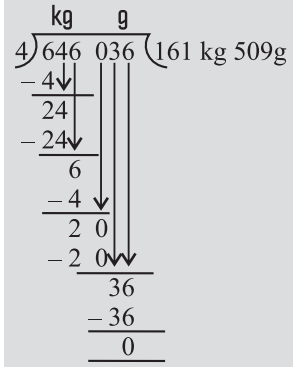
∴ 85 kg 547 g

4. 832kg 644g ÷ 6



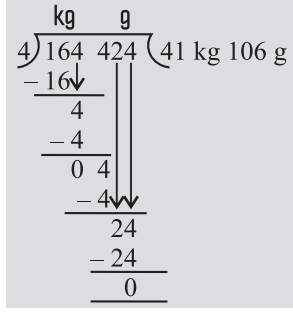
∴ 138 kg 774 g

5. 646kg 036g ÷ 4



∴ 161 kg 509 g

6. 164kg 424g ÷ 4



∴ 41 kg 106 g

7. 728kg 035g ÷ 7

kg	g	
7	728	035) 104 kg 005 g
− 7		
28		
− 28		
0	35	
	− 35	
	0	

∴ 104 kg 5 g

8. 455kg 835g ÷ 5

kg	g	
5	455	835) 91 kg 167 g
− 45		
5		
− 5		
0	8	
	− 5	
	33	
	− 30	
	35	
	− 35	
	0	

∴ 91 kg 167 g

9. 95 kg 115g ÷ 15

kg	g	
15	95	115) 6 kg 341 g
− 9		
5	1	
− 4	5	
61		
− 60		
15		
− 15		
0		

∴ 6 kg 341 g

10. 407 kg 680 g ÷ 14

kg	g	
14	407	680) 29 kg 120 g
− 28		
127		
− 126		
1	6	
− 1	4	
28		
− 28		
0		

∴ 29 kg 120 g

11. 38 kg 248 g ÷ 7

kg	g	
7	38	248) 5 kg 464 g
− 35		
3	2	
− 2	8	
44		
− 42		
28		
− 28		
0		

∴ 5 kg 464 g

12. 26 kg 184 g ÷ 6

kg	g	
6	26	184) 4 kg 364 g
− 24		
2	1	
− 1	8	
38		
− 36		
24		
− 24		
0		

∴ 4 kg 364 g

13. 19 kg 278 g ÷ 6

kg	g	
6	19	278) 5 kg 213 g
− 18		
1	2	
− 1	2	
7		
− 6		
18		
− 18		
0		

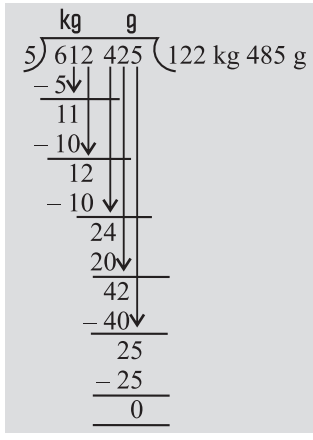
∴ 3 kg 213 g

14. 86 kg 968 g ÷ 14

kg	g	
14	86	968) 6 kg 212 g
− 84		
2	9	
− 2	8	
16		
− 14		
28		
− 28		
0		

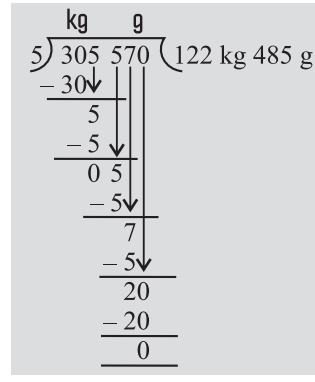
∴ 6 kg 212 g

15. 612 kg 425 g ÷ 5



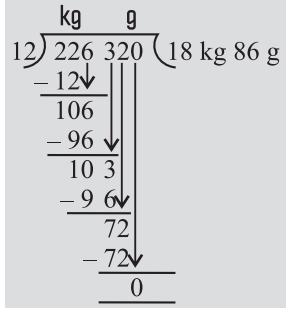
∴ 122 kg 485 g

16. 305 kg 570 g ÷ 5



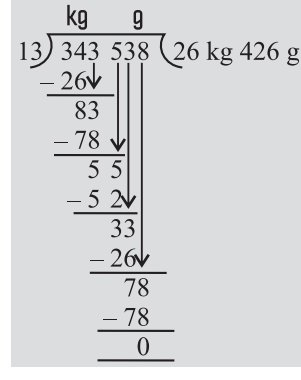
∴ 61 kg 114 g

17. 226 kg 320 g ÷ 12



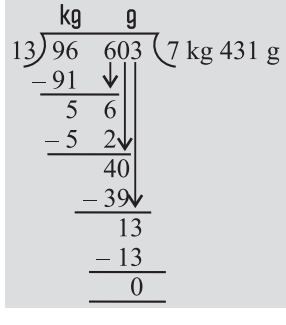
∴ 18 kg 86 g

18. 343 kg 538 g ÷ 13



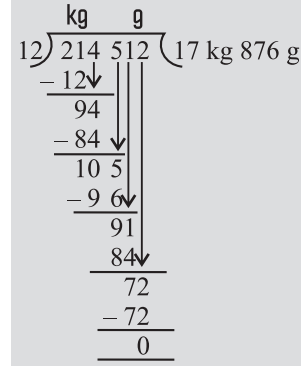
∴ 26 kg 426 g

19. 96 kg 603 g ÷ 13



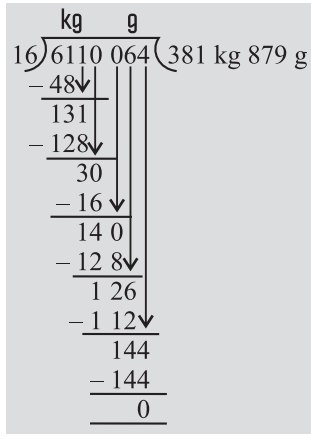
∴ 7 kg 431 g

20. 214 kg 512 g ÷ 12



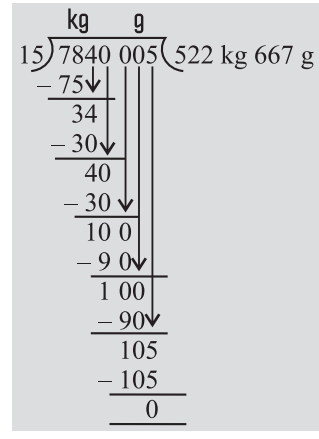
∴ 17 kg 876 g

21. 6110 kg 064 g ÷ 16



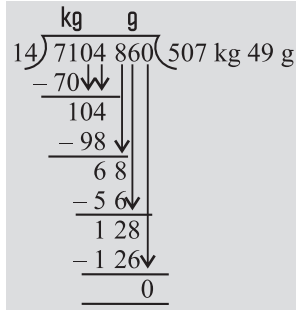
∴ 381 kg 879 g

22. 7840 kg 005 g ÷ 15



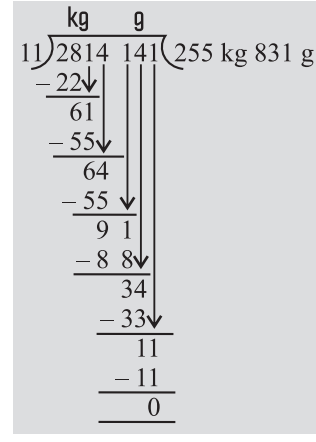
∴ 522 kg 667 g

23. 7104 kg 860 g ÷ 14



∴ 507 kg 49 g

24. 2814 kg 141 g ÷ 11



∴ 255 kg 831 g

Exercise 10.8

1. Weight of fruits brought = 7 kg 225 g
Weight of vegetables a brought = 9 kg 875 g
Total weight = 7 kg 225 g + 9 kg 875 g
= 17 kg 100 g
Thus, Seema's carry bag weight 17 kg 100 g.

kg	g
7	225
+ 9	875
17	100

2. Quantity of rice brought = 2 kg 350 g
Quantity of dal bought = 2 kg 675 g
Quantity of suagar bought = 3 kg 325 g
Total mass of item = 2 kg 350 g + 2 kg 675 g + 3 kg 325 g
= 8 kg 640 g
Thus, peter bought 8 kg 640 mass.

kg	g
2	350
2	675
+ 3	325
8	640

3. Quantity of cauliflower bought = 5 kg 400 g
Quantity of carrots bought = 2 kg 500 g
Quantity of beans bought = 3 kg 700 g
Total quantity of vegetable
= 5 kg 400 g + 2 kg 500 g + 3 kg 700 g
= 11 kg 600 g
Thus, Harish bought 11 kg 600 g vegetable.

kg	g
5	400
2	500
+ 3	700
11	600

4. Total weight of the sack of potatoes = 47 kg 500 g
Potatoes removed = 17 kg 48 g
Weight of potatoes left = 47 kg 500 g – 17 kg 480 g
= 29 kg 020 g
This 29 kg 20 g potatoes were left in sack.

kg	g
47	500
– 17	480
29	020

5. Weight of apples = 72 kg 400 g
Weight of spoiled apples = 17 kg 800 g
Weight of good apples = 72 kg 400 g – 17 kg 800 g
= 54 kg 600 g
Thus, weight of good apples is 54 kg 600 g.

kg	g
72	400
– 17	800
54	600

6. Total weight of sack of cement = 45 kg 70 g
Weight of used cement = 27 kg 590 g
Weight of cement left = 45 kg 70 g – 27 kg 590 g
= 18 kg 4890 g
Thus, 18 kg 480 g cement the sack

kg	g
45	070
– 27	590
18	480

7. Quantity of sugar brought on ration card = 3 kg 275 g
Consumption of sugar in a month = 5 kg
Quantity of sugar to be purchased = 5 kg – 3 kg 275 g
= 1 kg 725 g
Madhu purchase 1 kg 725 g sugar in market

kg	g
5	000
– 3	275
1	725

8. Mass of empty tin = 1 kg 180 g
Mass of biscuits = 7 kg 55 g
Total mass of the tin with biscuits = 1 kg 180 g + 7 kg 55 g
= 8 kg 235 g

kg	g
1	180
+ 7	055
8	235

9. Weight of bread = 7 kg 400 g
Weight of cucumber = 1 kg 800 g
Weight of tomatoes = 1 kg 200 g
Total weight of sandwiches = 7 kg 400 g + 1 kg 800 g + 1 kg 200 g
= 10 kg 400 g

kg	g
7	400
1	800
+ 1	200
10	400

10. Weight of grapes = 875 kg 950 g
Weight of grapes sent by lorry = 425 kg 800 g
Weight of grapes sent by carts = 875 kg 950 g – 425 kg 800 g
= 450 kg 150 g
Thus, 450 kg 150 g grapes was sent by carts.

kg	g
875	950
–425	800
450	150

11. Total weight of sugar = 75 kg 750 g
Weight of sugar sold = 38 kg 485 g
Weight of sugar left = 75 kg 750 g – 38 kg 485 g
= 37 kg 265 g
Thus, shopkeeper had 37 kg 265 g

kg	g
75	750
– 38	485
37	265

12. Weight of sugar bought from one shop = 30 kg 500 g
Weight of sugar bought from other shop = 48 kg 755 g
Total weight of sugar = 30 kg 500 g + 48 kg 755 g
= 79 kg 255 g

kg	g
30	500
+ 48	755
79	255

He buy 79 kg 255 g sugar.

13. Weight of potatoes brought = 5 kg 800 g
Weight of tomatoes brought = 3 kg 750 g
Weight of onion brought = 4 kg 500 g
Total of weight = 5 kg 800 g + 3 kg 750 g + 4 kg 500 g
= 14 kg 50 g
Thus she bought 14 kg 50 g.

kg	g
5	800
3	750
+ 4	500
14	050

Exercise 10.9

1. Weight of a pair of sports shoe = 578 g
Number of pairs of shoes = 4
Total mass of 4 pairs = 578 g × 4
= 2312 g or = 2 kg 312 g
Thus, total mass of 2 kg 312 g

5 7 8 g	
× 4	
2 3 1 2 g	

2. Weight of a packet of toffees = 1 kg 2290 g
Number of packet = 9
Total weight of 9 packet = 1 kg 220 kg × 9
= 10 kg 980 g
Thus, mass of 9 packets is 10 kg 980 g.

kg	g
1	220
×	9
10	980

3. Butter required 1 month = 3 kg 375 g
Butter required in 6 months = 3 kg 375 g × 6
= 20 kg 250 g
Thus, the family required 20 kg 250 g butter in 6 months.

kg	g
3	375
×	6
20	250

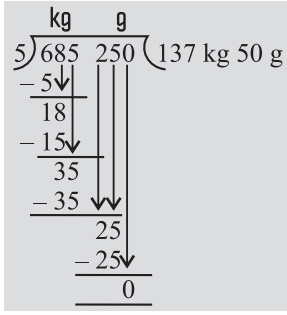
4. Quantity of sugar bought every week = 12 kg 700 g
Quantity of sugar bought in 8 weeks = 12 kg 700 g × 8
= 101 kg 600 g
Thus, they bought 101 kg 600 g.

kg	g
12	700
×	8
101	600

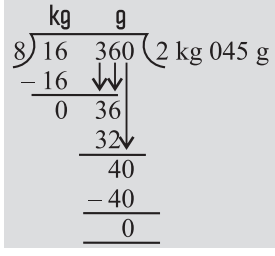
5. Quantity of rice = 79 kg 282 g
Number of persons = 7
Share of each person = 79 kg 2802 g ÷ 7
= 11 kg 326 g
Thus, each family will get 11 kg 326 g rice.

kg	g	
7) 79	282	11 kg 326 g
− 7↓		
9		
− 7	↓	
2	2	
− 2	1↓	
	18	
	− 14↓	
	42	
	− 42	
	0	

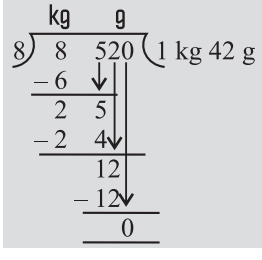
6. Quantity of rice sent to 5 army camp = 685 kg 250 g
Quantity of rice sent to 1 army camp
= 685 kg 250 g ÷ 5
= 137 kg 50 gm
Thus, to each army camp 137 kg 50 g rice was sent.



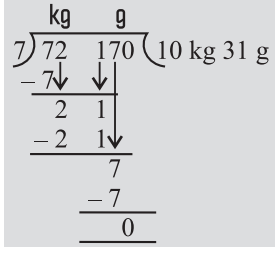
7. Weight of toffees = 16 kg 360 g
Number of families = 8
Toffees received by each family = 16 kg 360 g ÷ 8
= 2 kg 045 g
Thus, 2 kg 045 g toffees received by each family.



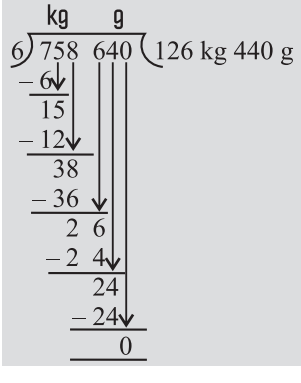
8. Weight of cake = 8 kg 520 g
Number of pieces = 6
Weight of each piece = 8 kg 520 g ÷ 6
= 1 kg 420 g
Thus weight of each piece is 1 kg 420 g



9. Total weight of sugar = 72 kg 170 g
Number of people = 7
Weight of sugar each person received
= 72 kg 170 g ÷ 7
= 10 kg 31 g



10. Quantity of wheat bought = 758 kg 640 g
time taken = 6 weeks
Quantity of wheat required in a week
= 758 kg 640 g ÷ 6
= 126 kg 440 g



11. Weight of 6 crates of apples = 164 kg 400 g
Weight of 1 crate of apples = 164 kg 400 g ÷ 6
= 27 kg 4 g

```
      kg   g
6 ) 164  400 ( 27 kg 4 g
  – 12↓
    44
  – 42 ↓
     2  4
   – 2  4
     0
```

12. Weight of each bag of cement = 26 kg 500 g
Weight of 9 bags of cement = 26 kg 500 g × 9
= 238 kg 500 g
Thus, the weight of 9 bags 238 kg 500 g

```
   kg   g
  26  500
    ×   9
 238  500
```

13. Weight of 11 books = 5 kg 324 g
Weight of 1 book = 5 kg 324 g ÷ 11
= 484 g
Thus one book weight 484 g

```
      kg   g
11 ) 5  324 ( 484 g
   – 4  4↓
        92
     – 88↓
         44
      – 44
          0
```

14. Weight of 1 washing machine = 64 kg 645 g
Weight 15 washing machines = 64 kg 645 g × 15
= 969 kg 675 g
Thus, weight of 15 washing machines = 969 kg 675 g

```
   kg   g
  64  645
    ×  15
 969  675
```

15. Weight of 14 chairs = 76 kg 650 g
Weight of 1 chairs = 76 kg 650 g ÷ 14
= 5 kg 475 g

```
   kg   g
   5  475
    ×   9
  49  275
```

Weight of 9 chairs = 5 kg 475 g × 9
= 49 kg 275 g
Thus, the weight of 9 chairs = 49 kg 275 g

```
      kg   g
14 ) 76  650 ( 5kg 475 g
   – 70 ↓
     6  6
   – 5  6↓
     1  05
    – 98↓
       70
     – 70
        0
```

16. Weight of 15 wooden boxes = 61 kg 875 g
Weight of 1 wooden box = 61 kg 875 g ÷ 15
= 4 kg 125 g
Thus, weight of each box is 4 kg 125 g

```
      kg   g
15 ) 61  875 ( 4 kg 125 g
   – 60 ↓
     1  8
   – 1  5↓
      37
    – 30↓
       75
     – 75
        0
```

Mental Gym

1. a. 1 kg > 800 g + 100 g b. 1 kg = 700 g + 300 g
c. 900 g + 50 g < 1 kg d. 795 g + 10 5 g > 890 g

11 Capacity

Exercise 11.1

1. a. $15\,l = 15 \times 1000 = 1500\,mL$
b. $6\,l = 6 \times 1000 = 6000\,mL$
c. $7\,l\ 200\,ml = (7 \times 1000) + 200\,mL = 7000\,mL + 200\,mL = 7200\,mL$
d. $17\,l\ 350\,ml = (17 \times 1000) + 350 = 17000\,mL + 350\,m = 17350\,mL$
e. $19\,l\,150\,ml = (19 \times 1000) + 150\,mL = 19000\,mL + 150\,mL = 19150\,mL$
f. $75\ l\ 720\,ml = (75 \times 1000) + 720 = 75000\,mL + 720\,mL$
g. $78\,l\ 075\,ml = (78 \times 1000) + 75\,mL = 78000\,mL + 75\,mL = 78075\,mL$
h. $64\ l\ 625\,ml = (64 \times 1000) + 625 = 64000\,mL + 625\,mL = 64625\,mL$

2. a. $2050\,ml = 2050\,mL \div 1000 = 2\,l\,50\,mL$
b. $2700\,ml = 2700\,mL \div 1000 = 2\,l\,700\,mL$
c. $7250\,ml = 7250\,mL \div 1000 = 7\,l\,250\,mL$
d. $12500\,ml = 12500\,mL \div 1000 = 12\,l\,500\,mL$
e. $86780\,ml = 86780\,mL \div 1000 = 86\,l\,780\,mL$
f. $6666\ ml = 6666\,mL \div 1000 = 6\,l\,666\,mL$
g. $6808\,ml = 6808\,mL \div 1000 = 6\,l\,808\,mL$
h. $6000\,ml = 6000\,mL \div 1000 = 6\,l$

Exercise 11.2

Add with conversion.

1.

70 *l* 450 m*l*	=	70 *l* 450 m*l*
40 *l* 250 m*l*	=	+ 40 *l* 250 m*l*
⇒ 12 *l* 700 ml		12 *l* 700 m*l*

2.

54 *l* 450 ml	=	54 *l* 450 m*l*
65 *l* 800 ml	=	+ 65 *l* 800 m*l*
⇒ 120 *l* 250 ml		120 *l* 250 m*l*

3.

81 *l* 370 m*l*	=	81 *l* 370 m*l*
21 *l* 280 m*l*	=	+ 21 *l* 280 m*l*
⇒ 102 *l* 650 ml		102 *l* 650 m*l*

4.

82 *l* 560 m*l*	=	82 *l* 560 m*l*
189 *l* 900 m*l*	=	+189 *l* 900 m*l*
⇒ 272 *l* 460 ml		272 *l* 460 m*l*

5.

540 *l* 935 m*l*	=	540 *l* 935 m*l*
94 *l* 966 m*l*	=	+ 94 *l* 966 m*l*
⇒ 635 *l* 901 ml		635 *l* 901 m*l*

6.

480 *l* 522 m*l*	=	480 *l* 522 m*l*
35 l 763 m*l*	=	+ 35 *l* 763 m*l*
⇒ 516 *l* 285 ml		516 *l* 285 m*l*

7.

325 *l* 202 m*l*	=	325 *l* 202 m*l*
50 *l* 260 m*l*	=	+ 50 *l* 260 m*l*
⇒ 375 *l* 462 ml		375 *l* 462 m*l*

8.

291 *l* 540 m*l*	=	291 *l* 540 m*l*
87 *l* 370 m*l*	=	+ 87 *l* 370 m*l*
⇒ 378 *l* 910 ml		378 *l* 910 m*l*

9.

526 *l* 520 m*l*	=	526 *l* 520 m*l*
630 *l* 212 m*l*	=	+630 *l* 212 m*l*
⇒ 1156 *l* 732 ml		1156 *l* 732 m*l*

10.

731 *l* 550 m*l*	=	731 *l* 550 m*l*
450 *l* 346 m*l*	=	450 *l* 346 m*l*
251 *l* 605 m*l*	=	+ 251 *l* 605 m*l*
⇒ 1433 *l* 501 ml		1433 *l* 501 m*l*

11.

678 *l* 756 m*l*	=	678 *l* 756 m*l*
450 *l* 276 m*l*	=	450 *l* 276 m*l*
947*l* 125 m*l*	=	+ 947 *l* 125 m*l*
⇒ 2076 *l* 157 ml		2076 *l* 157 m*l*

12.

927 *l* 425 m*l*	=	927 *l* 457 m*l*
425 *l* 235 m*l*	=	435 *l* 235 m*l*
329*l* 312 m*l*	=	+ 379 *l* 312 m*l*
⇒ 1681 *l* 972 ml		1661 *l* 972 m*l*

Exercise 11.3

Subtract with conversion :

1.

94 *l* 650 m*l*	=	94 *l* 650 m*l*
42 *l* 246 m*l*	=	– 42 *l* 246 m*l*
⇒ 52 *l* 404 m*l*		52 *l* 404 m*l*

2.

980 *l* 425 m*l*	=	980 *l* 425 m*l*
233 *l* 640 m*l*	=	– 233 *l* 640 m*l*
⇒ 746 *l* 785 m*l*		746 *l* 785 m*l*

3.

70 *l* 544 m*l*	=	70 *l* 544 m*l*
35 *l* 231 m*l*	=	– 35 *l* 231 m*l*
⇒ 35 *l* 313 m*l*		35 *l* 313 m*l*

4.

549 *l* 480 m*l*	=	549 *l* 480 m*l*
300 *l* 270 m*l*	=	– 300 *l* 270 m*l*
⇒ 249 *l* 210 m*l*		249 *l* 210 m*l*

5.

381 *l* 245 m*l*	=	381 *l* 245 m*l*
265 *l* 121 m*l*	=	– 265 *l* 121 m*l*
⇒ 116 *l* 124 m*l*		116 *l* 124 m*l*

6.

50 *l* 735 m*l*	=	50 *l* 735 m*l*
28 *l* 540 m*l*	=	– 28 *l* 590 m*l*
⇒ 22 *l* 195 m*l*		22 *l* 195 m*l*

7.

795 *l* 540 m*l*	=	900 *l* 540 m*l*
250 *l* 110 m*l*	=	– 623 *l* 270 m*l*
⇒ 277 *l* 27 m*l*		277 *l* 270 m*l*

8.

65 *l* 325 m*l*	=	795 *l* 123 m*l*
51 *l* 425 m*l*	=	– 250 *l* 110 m*l*
⇒ 545 *l* 13 m*l*		545 *l* 013 m*l*

9.

65 *l* 325 m*l*	=	65 *l* 325 m*l*
51 *l* 425 m*l*	=	– 51 *l* 425 m*l*
⇒ 1 3 *l* 9 0 0 m*l*		13 *l* 900 m*l*

10.

922 *l* 810 m*l*	=	922 *l* 810 m*l*
73 *l* 480 m*l*	=	– 73 *l* 480 m*l*
⇒ 849 *l* 330 m*l*		849 *l* 330 m*l*

11.

970 *l* 250 m*l*	=	970 *l* 250 m*l*
365 *l* 450 m*l*	=	– 365 *l* 450 m*l*
⇒ 604 *l* 800 m*l*		604 *l* 800 m*l*

12.

872 *l* 840 m*l*	=	872 *l* 840 m*l*
422 *l* 132 m*l*	=	– 422 *l* 132 m*l*
⇒ 450 *l* 708 m*l*		450 *l* 708 m*l*

Exercise 11.4

1.

ml	
①	
5	5
+ 2	6
8	1

2.

ml	
①	
6	7
+ 4	4
11	1

3.

ml		
①		
1	7	1
+ 2	5	6
4	2	7

4.

ml	
①	
4	4
+ 3	7
8	1

5.

ml	
①	
5	5
+ 4	9
10	4

6.

ml		
	①	
	8	7
+ 1	0	8
1	9	5

7.

l		
	①	
2	3	7
+ 2	1	9
4	5	6

8.

l		
①	①	
7	6	6
+ 1	8	8
9	5	4

9.

l		
①	①	
	5	5
+ 1	4	5
2	0	0

10.

l		
1	2	6
+ 2	7	0
3	9	6

11.

l	ml
123	270
+ 25	470
148	740

12.

l	ml
①	
246	230
+154	170
400	400

13.

l	ml
①	
119	029
+216	087
335	116

14.

l	ml
	①
423	063
+511	019
934	082

15.

l	ml
①	①
962	036
+284	014
1246	050

16.

l	ml
①	①
487	560
+246	670
734	230

17.

l	ml
371	100
+105	200
476	300

18.

l	ml
651	350
+237	208
888	555

19.

l	ml
456	500
+236	207
692	707

20.

l	ml
224	611
+518	238
742	849

Exercise 11.5

1.

ml
5 5
– 3 2
2 3

2.

ml
6 8
– 2 6
4 2

3.

ml
1 0 7
– 3 8
6 9

4.

l
5 4 8
– 2 4 9
2 9 9

5.

ml
6 9
– 1 3
5 6

6.

l
8 0 7
– 8 4
7 2 3

7.

l
6 5 5
– 4 4 8
2 0 7

8.

l
5 4 7
– 1 2 5
4 2 2

9.

l
7 8 9
– 2 4 8
5 4 1

10.

l	ml
9	720
– 2	310
7	410

11.

l	ml
79	045
– 45	320
33	725

12.

l	ml
78	267
– 37	040
41	227

13.

l	ml
75	098
– 48	016
27	082

14.

l	ml
732	490
– 49	327
683	163

15.

l	ml
523	056
– 19	540
503	516

16.

l	ml
231	250
–125	135
106	115

17.

l	ml
680	450
– 89	029
591	421

18.

l	ml
975	046
– 54	067
920	979

19.

l	ml
655	520
–297	050
358	470

20.

l	ml
489	651
–262	051
227	600

21.

l	ml
947	445
–623	069
324	376

22.

l	ml
591	615
–300	354
291	261

23.

l	ml
247	224
–193	119
54	105

24.

l	ml
242	814
–219	324
23	490

25.

l	ml
387	814
–259	196
128	618

Exercise 11.6

1.

ml
4 0
× 2
8 0

2.

ml
4 5
× 2
9 0

3.

ml
6 5
× 3
19 5

4.

ml
3 2
× 4
12 8

5.

ml
9 1
× 7
63 7

6.

l
4 2
× 3
12 6

7.

l
4 5
× 4
18 0

8.

l
7 4
× 5
37 0

9.

l
4 6
× 8
36 8

10.

l
9 7
× 7
67 9

11.	l ml 57 015 × 5 285 075	**12.**	l ml 70 009 × 3 210 027	**13.**	l ml 48 012 × 4 192 048	**14.**	l ml 55 025 × 11 605 275	**15.**	l ml 69 053 × 8 552 424
16.	l ml 47 024 × 9 423 216	**17.**	l ml 67 091 × 6 402 546	**18.**	l ml 117 027 × 4 468 108	**19.**	l ml 220 027 × 4 880 108	**20.**	l ml 227 057 × 6 1362 342
21.	l ml 138 015 × 7 966 105	**22.**	l ml 429 054 × 2 858 108	**23.**	l ml 712 075 × 3 2136 225	**24.**	l ml 731 075 × 3 2193 225	**25.**	l ml 731 053 × 5 3655 265
26.	l ml 623 053 × 5 3115 265	**27.**	l ml 652 164 × 3 1956 492	**28.**	l ml 278 682 × 6 1672 092	**29.**	l ml 119 516 × 4 478 064	**30.**	l ml 1024 054 × 2 2048 108
31.	l ml 597 809 × 7 4184 663	**32.**	l ml 417 369 × 9 3756 321	**33.**	l ml 818 042 × 5 4090 210	**34.**	l ml 923 023 × 2 1846 046	**35.**	l ml 251 072 × 4 1004 288

Exercise 11.7

1. 64 *l* 032 m*l* ÷ 8

8 *l*
8) 64 *l*
− 64
0

04 m*l*
8) 032 m*l*
− 32
0

Ans. 8 *l* 4 m*l*

2. 81 *l* 027 m*l* ÷ 9

9 *l*
9) 81 *l*
− 81
0

3 m*l*
9) 27 m*l*
− 27
0

Ans. 9 *l* 3 m*l*

3. 125 *l* 200 m*l* ÷ 5

25 *l*
5) 125 *l*
− 10
25
−25
0

40 m*l*
5) 200 m*l*
− 20
0

Ans. 25 *l* 40 m*l*

4. 49 *l* 028 m*l* ÷ 7

7 *l*
7) 49 *l*
− 49
0

4 m*l*
7) 28 m*l*
− 28
0

Ans. 7 *l* 4 m*l*

5. 625 *l* 300 m*l* ÷ 5

125 *l*
5) 625 *l*
− 5
12
−10
25
− 25
0

60 m*l*
5) 300 m*l*
− 30
0

Ans. 125 *l* 60 m*l*

6. 510 *l* 060 m*l* ÷ 10

51 *l*
10) 510 *l*
− 50
10
−10
0

6 m*l*
10) 60 m*l*
− 60
0

Ans. 51 *l* 6 m*l*

7. 92 *l* 036 m*l* ÷ 4

23 *l*	9 m*l*	
4) 92 *l*	4) 36 m*l*	
− 8	− 36	
12	0	
−12		
0		

Ans. 23 *l* 9 m*l*

8. 84 *l* 015 m*l* ÷ 3

28 *l*	5 m*l*
3) 84 *l*	5) 15 m*l*
− 6	− 15
24	0
− 24	
0	

Ans. 28 *l* 5 m*l*

9. 132 *l* 052 m*l* ÷ 2

66 *l*	26 m*l*
2) 132 *l*	2) 52 m*l*
− 12	− 40
12	12
−12	−12
0	0

Ans. 66 *l* 26 m*l*

Exercise 11.8

1. Quantity of milk in one can = 31 *l* 500 m*l*
Quantity of milk in other can = 72 *l* 650 m*l*
Total quantity of milk = 31 *l* 500 m*l* + 72 *l* 650 m*l*
= 104 *l* 150 m*l*
Thus, total quantity of milk is 104 *l* 150 m*l*.

l	ml
31	500
+ 72	650
104	150

2. Quantity of oil sold to one man = 100 *l* 450 m*l*
Quantity of oil sold to other man = 126 *l* 725 m*l*
Total oil sold = 100 *l* 450 m*l* + 126 *l* 725 m*l*
= 227 *l* 175 m*l*
Thus, 227 *l* 175 m*l* oil sold.

l	ml
100	450
+126	725
227	175

3. Quantity of mustard oil sold = 83 *l* 250 m*l*
Quantity of Sunflower oil sold = 78 *l* 400 m*l*
Total oil sold = 83 *l* 250 m*l* + 78 400 m*l*
= 161 *l* 650 m*l*
Thus, he sold 161 *l* 650 m*l* oil.

l	ml
83	250
+ 78	400
161	650

4. Quantity of milk delivered to colony A = 45 *l* 500 m*l*
Quantity of milk delivered to colony B = 53 *l* 650 m*l*
Total milk delivered = 45 *l* 500 m*l* + 53 *l* 650 m*l*
= 99 *l* 150 m*l*
Thus, milkman delivered 99 *l* 150 m*l* milk.

l	ml
45	500
+ 53	650
99	150

5. Quantity of petrol bought on Monday = 25 *l*
Quantity of petrol bought on Wednesday = 12 *l* 50 m*l*
Quantity of petrol bought on Saturday = 37 *l* 750 m*l*
Quantity of total petrol brought
= 25 *l* + 12 *l* 50 m*l* + 37 *l* 750 m*l*
= 74 *l* 800 m*l*
Thus, Mohan bought 74 *l* 800 m*l* petrol.

l	ml
25	000
12	050
+37	750
74	800

6. Quantity of oil in a tin = 18 *l* 750 m*l*
Quantity of wasted oil = 7 *l* 935 m*l*
Quantity of oil left = 18 *l* 750 m*l* – 7 *l* 935 m*l*
= 10 *l* 815 m*l*
Thus, 10 *l* 815 m*l* oil left in the tin.

l	ml
18	750
– 7	935
10	815

7. Quantity of medicine in a bottle = 250 m*l*
Quantity of medicine in 25 bottles
= 250 m*l* × 25 = 6250 m*l*
= 6250 m*l* ÷ 1000 (1 *l* = 1000 m*l*)
= 6 *l* 250 m*l*

	2	5	0	ml
	×	2	5	
1	2	5	0	
5	0	0	0	
6	2	5	0	ml

8. Quantity of petrol in tank of car = 35 *l*
Quantity of petrol used in a day = 21 *l* 725 m*l*
Quantity of petrol left = 35 *l* – 21 *l* 725 m*l*
= 13 *l* 275 m*l*
Now, 13 *l* 275 m*l* petrol in car.

l	ml
35	000
– 21	725
13	275

9. Quantity of kerosene sold in first week = 22 *l* 875 m*l*
Quantity of kerosene sold in second week = 122 *l* 500 m*l*
Quantity of kerosene sold in third weed = 182 *l* 300 m*l*
Quantity of total kerosene sold
= 22 *l* 875 m*l* + 122 *l* 500 m*l* + 182300 m*l*
= 327 *l* 675 m*l*
Thus, 327 *l* 675 m*l* kerosene sold in three week

l	ml
22	875
122	500
+182	300
327	675

10. Quantity of mustard oil sold in a week = 22 *l* 875 m*l*
Quantity of mustard oil sold in second week = 122 *l* 500 m*l*
Quantity of mustard oil sold in third week = 182 *l* 300 m*l*
Total oil sold in 3 week
= 22 *l* 875 m*l* + 122 *l* 500 m*l* + 182 *l* 300 m*l*
= 327 *l* 675 m*l*
Thus, He sell 327 *l* 675 m*l* oil.

l	ml
22	875
122	500
+182	300
327	675

11. Quantity of oil in a drum = 79 *l* 600 m*l*
Quantity of oil of it = 29 *l* 250 m*l*
Quantity of oil left = 79 *l* 600 m*l* – 29 *l* 250 m*l*
= 40 *l* 350 m*l*
Thus, 40 *l* 350 m*l* oil left in drum.

l	ml
79	600
– 29	250
40	350

12. Quantity of kerosene = 500 litres
Quantity of kerosene sold to one man = 217 *l* 250 m*l*
Quantity of kerosene sold to second man = 195 *l* 675 m*l*
Quantity of kerosene sold to third man = 35 *l* 875 m*l*
Quantity of total sold
= 217 *l* 250 m*l* + 195 *l* 675 m*l* + 35 *l* 875 m*l*
= 448 *l* 800 m*l*
Quantity of kerosene left = 500 *l* – 448 *l* 800 m*l*
= 51 *l* 200 m*l*
Thus, 51 *l* 200 m*l* kerosene left with shopkeeper.

l	ml
217	250
195	675
+ 35	875
448	800

l	ml
500	000
–448	800
51	200

13. Quantity of milk purchase = 9 *l*
Quantity of milk used in making coffee = 4 *l* 225 m*l*
Milk used in making tea = 2 *l* 975 m*l*

Total milk used = 4 *l* 225 m*l* + 2 *l* 975 m*l*
= 7 *l* 200 m*l*

l	ml
4	225
+ 2	975
7	200

l	ml
9	000
– 7	200
1	800

milk left = 9 *l* – 7 *l* 200 m*l* = 1 *l* 800 m*l*

14. Milk drink in one day = 450 m*l*
Milk drink in one week i.e., 7 days = 450 m*l* × 7 = 2450 m*l*
= 2 *l* 450 m*l*
Thus, Mohan drink 2 *l* 450 m*l* in a week.

450 m*l*
× 7
2450 m*l*

15. Quantity of oil from a big can = 282 *l* or 282000 m*l*
Number of small cans = 8
Quantity of oil contain each small 28200 m*l* ÷ 8
= 35250 m*l* or 35 *l* 25 m*l*

```
   35250 ml
8) 282000 ml
 - 24
   42
 - 40
    20
  - 16
    40
  - 40
     0
```

16. Oil with we = 4 *l* 360 m*l*
Number of days = 4 days
oil 9 used in each days = 4 *l* 360 m*l* ÷ 4
= 1 *l* 90 m*l*
Thus, 1 *l* 90 m*l* oil use.

```
     l   ml
4)   4   360 ) 1 l 90 ml
   - 4
   ------
     0  36
      - 36
      ----
        0
```

17. Milk drinks in day = 625 m*l*
Number of children = 8
Milk needed in day = 625 m*l* × 8
= 5000 m*l* = 5 *l*

625 m*l*
× 8
5000 m*l*

18. Quantity of coke = 5 *l* 250 m*l*
Number of boys = 5
Share of each bay= 5 *l* 250 m*l* ÷ 5
= 1 *l* 50 m*l*
Thus, each boy has 1 *l* 50 m*l* of coke.

```
     l   ml
5)   5   250 ) 1 l 50 ml
   - 5
   ------
     0  250
      - 250
      -----
        0
```

19. Quantity of milk purchase form one dairy = 5 *l* 550 m*l*
Quantity of milk purchase form an other dairy = 7 *l* 250 m*l*
Total milk purchase = 5 *l* 550 m*l* + 7 *l* 250 m*l*
= 13 *l* 800 m*l*

l	ml
5	550
+ 7	250
13	800

20. Oil in one tin = 13 *l* 350 m*l*
*O*il in 5 tines = 13 *l* 350 m*l* × 5
= 66 *l* 750 m*l*
Thus, there is 66 *l* 750 m*l* oil in 5 tins.

l	ml
13	350
× 5	
66	750

21. Quantity of point bought = 10 *l*
Paint used for door = 4 *l* 350 m*l*
Paint used for windows = 2 *l* 350 m*l*
Total paint used = 4 *l* 350 m*l* + 2 m*l* 350 m*l*
= 6 *l* 700 m*l*
Paint left = 10 *l* – 6 *l* 700 m*l* = 3 *l* 300 m*l*
Thus, paint left 3 *l* 300 *l*

l	ml
10	000
– 6	700
3	350

l	ml
4	350
+ 2	250
6	700

22. Total milk = 4 *l* 250 m*l*
milk used = 1 *l* 375 m*l*
Milk left = 4 *l* 250 m*l* – 1 *l* 375 m*l*
= 2 *l* 875 m*l*

l	ml
4	250
– 1	375
2	875

23. Oil used in one week = 11 *l* 550 m*l*
Oil used in 3 weeks = 11 *l* 550 m*l* × 5
= 34 *l* 650 m*l*
Thus, 34 *l* 650 m*l* used in 3 week

l	ml
11	550
×	3
34	650

24. Orange Juice in 8 glasses = 1 *l* 600 m*l*
Orange juice in 8 glasses = 1 *l* 600 m*l* ÷ 8
= 200 m*l*
Thus, 200 m*l* juice in each glasses.

l	ml
8) 1	600 (200
1	6
	00

25. Consumption of diesel in 1 hours = 4 *l* 220 m*l*
Consumption of diesel in 12 hours = 4 *l* 220 m*l* × 12
= 50 *l* 640 m*l*
Thus, a bus will consumed 50 *l* 640 m*l* in 12 hours.

4	220
×	12
8	440
42	200
50	640

26. Kerosene used in 1 hours = 265 m*l*
Kerosene used in 8 hours = 265 × 8
= 2120 m*l* or 2 *l* 120 m*l*
Now, stove will 2 *l* 120 m*l* kerosene in 8 hours.

265 m*l*
× 8
2120 m*l*

Mental Gym

1. a. 1 L > 300 mL + 200 mL b. 400 mL + 600 mL = 1 L
c. 5 mL + 400 mL < 1 L

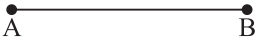
2. a. **1 L** = 250 mL + 250 mL + 250 mL + 250 mL
b. 2 L = 8 mL + **1992** mL
c. 32 l = **32000** mL

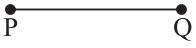
HOTS

Step 1. First fill the 5*l* jug and then pour it into the 3*l* jug the 5 *l* jug has only 2 *l* left
Step 2. Next, empty out the 3 *l* jug. Then, pour the 2 *l* foun the 5 *l* jug to the 3*l* jug. So, Now the 3*l* jug has 2*l* jug.
Step 3. Fill the 5l jug again and pour 1*l* into the 3*l* jug. Now, what's left in the 5*l* jug? well, exactly 4*l*

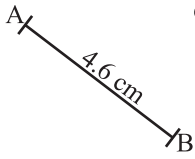
12 Geometry

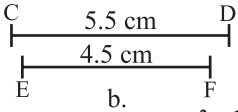
Exercise 12.1

1. a. 

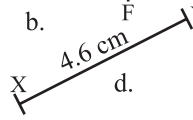
b. 

c. 

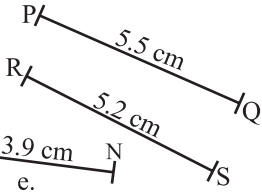
2. a. 



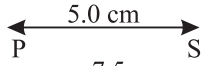
b.

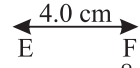


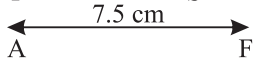
d.

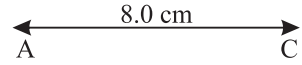
c. 

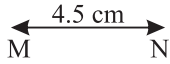
e.

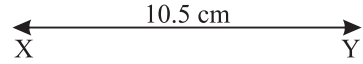
3. a. 

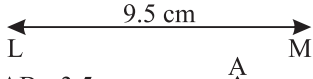
b. 

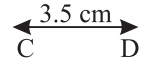
c. 

d. 

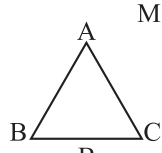
e. 

f. 

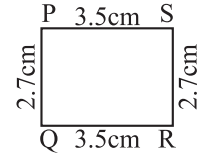
g. 

h. 

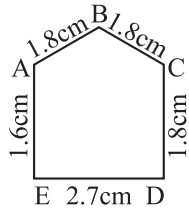
4. a. AB = 3.5 cm
BC = 3.5 cm
CA = 3.5 cm



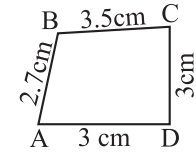
b. PQ = 2.3 cm
QR = 3.5 cm
RS = 2.7 CM
SP = 3.5 cm

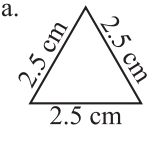


5. a. AB = 1.8 cm
BC = 1.8 cm
CD = 1.8 cm
AE = 1.6 cm
DE = 2.7 cm

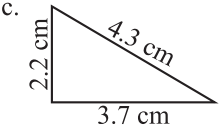


b. AB = 2.5 cm
BC = 2.5 cm
CD = 3 cm
AD = 3 cm



6. a. 

b. 

c. 

Exercise 12.2

1. a. Square b. Triangle c. Rectangle
2. a. 4 b. 3 c. 4
3. a. 4 b. 3 c. 4
4. a. False b. True c. False d. True
e. False f. False g. True

Exercise 12.3

1. a. Cuboid b. Cone c. Sphere
Surface = 6 Surface = 2 Surface = 1
2. a. Sphere b. Rectangle c. Square d. Triangle
3. a. F b. F c. T
d. F e. T f. F
4. a. 0 b. 4 c. 3 d. 4
5. a. A cuboid has **3** pairs of faces.
b. A cuboid has **8** corners.
c. A cube has **12** edge.
d. A cube has **6** equal faces.
e. A point has no length or **breadth**.

Exercise 12.4

1. LM = 4 cm
MN = 4 cm
NO = 4 cm
OL = 4 cm
Perimeter = 4 + 4 + 4 + 4 cm
= 16 cm

2. AB = 6 cm
BC = 3 cm
CA = 3 cm
Perimeter = 6 + 3 + 3
= 12 cm

3. RS = 10 cm
ST = 8 cm
TU = 10 cm
UR = 8 cm
Perimeter = 10 + 10 + 8 + 8 cm
= 36 cm

4. AB = 6 cm
BC = 6 cm
CA = 6 cm
DA = 6 cm
Perimeter = 6 + 6 + 6 + 6
= 24 cm

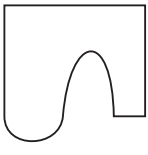
5. PQ = 12 cm
QR = 4 cm
RS = 12 cm
SP = 4 cm
Perimeter = 12 + 4 + 12 + 4 cm
= 32 cm

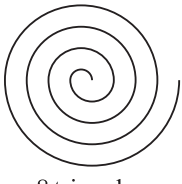
6. XY = 3 cm
YZ = 3 cm
ZX = 3 cm
Perimeter = 3 + 3 + 3
= 9 cm

Mental Gym

1. a. A **cube or cuboid** has six flat faces, and all of them are of equal size.
b. A **sphere** has only one curved face.
c. A **cone** and a **cylinder**, have both flat and curved faces.
d. A **cupoid** has six flat faces of which the opposite faces are of equal size.

2.





HOTS

a. 26 square

b. 8 triangles

13 Pictograph

1. a. 6 butterflies

b. Number of bees = 8
Number of butterflies = 6
Difference = 2
2 bees are more than butterflies.

c. 8 bees

d. Number of dogs = 5
Number of birds = 10
Difference = 10 – 5 = 5
5 dogs are less than birds

e. 5 dogs

f. 7 more birds than fishes

g. 10 birds

h. 3 less dogs than bees

i. 3 fishes

2. a. 6 butterflies

b. Number of bees = 8
Number of butterflies = 6
Difference = 2
2 bees are more than butterflies.

c. 8 bees

d. Number of dogs = 5
Number of birds = 10
Difference = 10 – 5 = 5
5 dogs are less than birds

e. 5 dogs f. 7 more birds than fishes

g. 10 birds h. 3 less dogs than bees i. 3 fishes

Answer the following questions.

1. Sonu got 9 marks
2. Mina got 4 mark
3. Sonu scored the highest mark
4. Tina and Monu got equal mark
5. Some got 5 more mark than nina.
6. Tina get 1 less mark than sonu

Exercise 13

1. a. Art is the most popular b. Karate is the least popular
c. Music and Dance two activities which are equally liked.
d. 10 students have taken yoga

2. a. 6 children
b. 5 children like parathar more than sand winch.
c. Dosa and Parathas.

Mental Gym

1. Total people =25 + 35 + 30 + 30 + 10 + 5 = 105
2. 10 people do not like sandwich

Have A Fun

Do your self