

## EXERCISE 8.5

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1. Find the sum in each of the following:

(a)  $0.007 + 8.5 + 30.08$

(b)  $15 + 0.632 + 13.8$

(c)  $27.076 + 0.55 + 0.004$

(d)  $25.65 + 9.005 + 3.7$

(e)  $0.75 + 10.425 + 2$

(f)  $280.69 + 25.2 + 38$

**Solutions:**

(a) Sum of  $0.007 + 8.5 + 30.08$

$$\begin{array}{r} 0.007 \\ 8.500 \\ + 30.080 \\ \hline 38.587 \end{array}$$

(b) Sum of  $15 + 0.632 + 13.8$

$$\begin{array}{r} 15.000 \\ 0.632 \\ + 13.800 \\ \hline 29.432 \end{array}$$

(c) Sum of  $27.076 + 0.55 + 0.004$

$$\begin{array}{r} 27.076 \\ 0.550 \\ + 0.004 \\ \hline 27.630 \end{array}$$

(d) Sum of  $25.65 + 9.005 + 3.7$

$$\begin{array}{r} 25.650 \\ 9.005 \\ + 3.700 \\ \hline 38.355 \end{array}$$

(e) Sum of  $0.75 + 10.425 + 2$

$$\begin{array}{r} 0.750 \\ 10.425 \\ + 2.000 \\ \hline 13.175 \end{array}$$

(f) Sum of  $280.69 + 25.2 + 38$

$$\begin{array}{r} 280.69 \\ 25.20 \\ + 38.00 \\ \hline 343.89 \\ \hline \end{array}$$

**2. Rashid spent ₹ 35.75 for Maths book and ₹ 32.60 for Science book. Find the total amount spent by Rashid.**

**Solutions:**

Cost of Maths book = ₹ 35.75  
Cost of Science book = ₹ 32.60  
Total amount spent by Rashid is

$$\begin{array}{r} 35.75 \\ + 32.60 \\ \hline 68.35 \\ \hline \end{array}$$

∴ Total amount of money spent by Rashid is ₹ 68.35

**3. Radhika's mother gave her ₹ 10.50 and her father gave her ₹ 15.80, find the total amount given to Radhika by the parents.**

**Solutions:**

Amount given by Radhika's mother = ₹ 10.50  
Amount given by Radhika's father = ₹ 15.80  
Total amount given by her parents

$$\begin{array}{r} 10.50 \\ + 15.80 \\ \hline 26.30 \\ \hline \end{array}$$

∴ Total amount of money given by Radhika's parents is ₹ 26.30

**4. Nasreen bought 3 m 20 cm cloth for her shirt and 2 m 5 cm cloth for her trouser. Find the total length of cloth bought by her.**

**Solutions:**

Cloth of shirt = 3 m 20 cm  
Cloth of trouser = 2 m 5 cm  
Total length of cloth is

$$\begin{array}{r} 3.20 \\ + 2.05 \\ \hline 5.25 \\ \hline \end{array}$$

∴ Total length of cloth bought by Nasreen is 5.25 m

**5. Naresh walked 2 km 35 m in the morning and 1 km 7 m in the evening. How much distance did he walk in all?**

**Solutions:**

$$\begin{aligned} \text{Distance walked by Naresh in the morning} &= 2 \text{ km } 35 \text{ m} \\ &= [(2 + 35 / 1000)] \text{ km} \\ &= 2.035 \text{ km} \end{aligned}$$

$$\begin{aligned} \text{Distance walked by him in the evening} &= 1 \text{ km } 7 \text{ m} \\ &= [(1 + 7 / 1000)] \text{ km} \\ &= 1.007 \text{ km} \end{aligned}$$

Total distance walked by Naresh is

$$\begin{array}{r} 2.035 \\ + \quad 1.007 \\ \hline 3.042 \end{array}$$

$\therefore$  Total distance walked by Naresh is 3.042 km

**6. Sunita travelled 15 km 268 m by bus, 7 km 7 m by car and 500 m on foot in order to reach her school. How far is her school from her residence?**

**Solutions:**

$$\begin{aligned} \text{Distance travelled by bus} &= 15 \text{ km } 268 \text{ m} \\ &= [(15 + 268 / 1000)] \text{ km} \\ &= 15.268 \text{ km} \end{aligned}$$

$$\begin{aligned} \text{Distance travelled by car} &= 7 \text{ km } 7 \text{ m} \\ &= [(7 + 7 / 1000)] \text{ km} \\ &= 7.007 \text{ km} \end{aligned}$$

$$\begin{aligned} \text{Distance walked by Sunita} &= 500 \text{ m} \\ &= 500 / 1000 \\ &= 0.500 \text{ km} \end{aligned}$$

Total distance of school from her residence is

$$\begin{array}{r} 15.268 \\ 7.007 \\ + \quad 0.500 \\ \hline 22.775 \end{array}$$

$\therefore$  Total distance of the school from her residence is 22.775 km

**7. Ravi purchased 5 kg 400 g rice, 2 kg 20 g sugar and 10 kg 850 g flour. Find the total weight of his purchases.**

**Solutions:**

$$\begin{aligned} \text{Weight of rice} &= 5 \text{ kg } 400 \text{ g} \\ &= [(5 + 400 / 1000)] \text{ kg} \\ &= 5.400 \text{ kg} \end{aligned}$$

$$\text{Weight of sugar} = 2 \text{ kg } 20 \text{ g}$$

$$\begin{aligned} &= [(2 + 20 / 1000)] \text{ kg} \\ &= 2.020 \text{ kg} \\ \text{Weight of flour} &= 10 \text{ kg } 850 \text{ g} \\ &= [(10 + 850 / 1000)] \text{ kg} \\ &= 10.850 \text{ kg} \\ \text{Total weight of his purchases is} \\ &5.400 \\ &2.020 \\ + &10.850 \\ \hline &18.270 \end{aligned}$$

∴ Total weight of his purchases is 18.270 kg

