

Board - CBSE

Class - 6th

Topic - Decimals Ex:8.5

Exercise - 8.5

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) $280.69 + 25.2 + 38$

Ans. (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 $280.69 + 25.2 + 38$

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

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

Ans. Cost of Maths book = Rs. 35.75

Cost of Science book = Rs. 32.60

The total amount spent by Rashid is

$$\begin{array}{r} 35.75 \\ +32.60 \\ \hline 343.89 \end{array}$$

∴ The total amount of money spent by Rashid is Rs. 68.35

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

Ans. The amount given by Radhika's mother = Rs. 10.50

The amount given by Radhika's father = Rs. 15.80

The total amount given by her parents

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

∴ The total amount of money given by Radhika's parents is Rs. 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.

Ans. Cloth of shirt = 3 m 20 cm

Cloth of trouser = 2 m 5 cm

The total length of cloth is

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

∴ The 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?

Ans. Distance walked by Naresh in the morning = 2 km 35 m

$$= [(2 + 35 / 1000)] \text{ km}$$

$$= 2.035 \text{ km}$$

Distance walked by him in the evening = 1 km 7 m

$$= [(1 + 7 / 1000)] \text{ km}$$

$$= 1.007 \text{ km}$$

Total distance walked by Naresh is

$$2.035$$

$$+1.007$$

$$\hline 3.042$$

∴ The total distance walked by Naresh is 3.042 km

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

Ans. Distance travelled by bus = 15 km 268 m

$$= [(15 + 268 / 1000)] \text{ km}$$

$$= 15.268 \text{ km}$$

Distance travelled by car = 7 km 7 m

$$= [(7 + 7 / 1000)] \text{ km}$$

$$= 7.007 \text{ km}$$

Distance walked by Sunita = 500 m

$$= 500 / 1000$$

$$= 0.500 \text{ km}$$

Total distance of school from her residence is

$$15.268$$

$$7.007$$

$$+0.500$$

$$\hline 22.775$$

∴ The 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.

Ans. Weight of rice = 5 kg 400 g

$$= [(5 + 400 / 1000)] \text{ kg}$$

$$= 5.400 \text{ kg}$$

Weight of sugar = 2 kg 20 g

$$= [(2 + 20 / 1000)] \text{ kg}$$

$$= 2.020 \text{ kg}$$

Weight of flour = 10 kg 850 g

$$= [(10 + 850 / 1000)] \text{ kg}$$

$$= 10.850 \text{ kg}$$

Total weight of his purchases is

$$5.400$$

$$2.020$$

$$+10.850$$

$$\hline 18.270$$

\therefore The total weight of his purchases is 18.270 kg