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

Solutions:

(a) Sum of 0.007 + 8.5 + 30.08

0.007

8.500

+ 30.080

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38.587

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(b) Sum of 15 + 0.632 + 13.8

15.000

0.632

+ 13.800

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29.432

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(c) Sum of 27.076 + 0.55 + 0.004

27.076

0.550

+ 0.004

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27.630

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(d) Sum of 25.65 + 9.005 + 3.7

25.650

9.005

+ 3.700

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38.355

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(e) Sum of 0.75 + 10.425 + 2

0.750

10.425

+ 2.000

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13.175

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(f) Sum of 280.69 + 25.2 + 38

280.69

25.20

+ 38.00

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343.89

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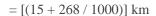
Solutions:

Cost of Maths book = ₹ 35.75

Cost of Science book = ₹ 32.60

The total amount spent by Rashid is

35.75

+ 32.60

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68.35

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∴ The 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:

The amount given by Radhika's mother = ₹ 10.50

The amount given by Radhika's father = ₹ 15.80

The total amount given by her parents is

10.50

+ 15.80

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26.30

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∴ The 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

The total length of the cloth is

3.20

+ 2.05

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5.25

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∴ 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?

Solutions:

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

= [(2 + 35 /1000)] km

= 2.035 km

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

= [(1 + 7 / 1000)] km

= 1.007 km

The total distance walked by Naresh is

2.035

+ 1.007

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3.042

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∴ The 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:

Distance travelled by bus = 15 km 268 m

= [(15 + 268 / 1000)] km

= 15.268 km

Distance travelled by car = 7 km 7 m

= [(7 + 7 / 1000)] km

= 7.007 km

Distance walked by Sunita = 500 m

= 500 / 1000

= 0.500 km

The total distance of the school from her residence is

15.268

7.007

+ 0.500

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22.775

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∴ 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.

Solutions:

Weight of rice = 5 kg 400 g

= [(5 + 400 / 1000)] kg

= 5.400 kg

Weight of sugar = 2 kg 20 g

= [(2 + 20 / 1000)] kg

= 2.020 kg

Weight of flour = 10 kg 850 g

= [(10 + 850 / 1000)] kg

= 10.850 kg

The total weight of his purchases is

5.400

2.020

+ 10.850

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18.270

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∴ The total weight of his purchases is 18.270 kg