

Board –CBSE

Class – 6th

Topic – Decimals Ex:8.6

Exercise - 8.6

1. Subtract:

(a) Rs. 18.25 from Rs. 20.75

(b) 202.54 m from 250 m

(c) Rs. 5.36 from Rs. 8.40

(d) 2.051 km from 5.206 km

(e) 0.314 kg from 2.107 kg

Ans. (a) Rs. 20.75 – Rs. 18.75

$$\begin{array}{r} 20.75 \\ -18.75 \\ \hline 2.50 \end{array}$$

Rs. 2.50

(b) 250 m – 202.54 m

$$\begin{array}{r} 250.00 \\ -202.00 \\ \hline 47.46 \end{array}$$

47.46 m

(c) Rs 8.40 – Rs. 5.36

$$\begin{array}{r} 8.40 \\ -5.36 \\ \hline 3.04 \end{array}$$

Rs 3.04

(d) 5.206 km – 2.051 km

$$\begin{array}{r} 5.206 \\ -2.051 \\ \hline 3.155 \end{array}$$

3.155 km

(e) 2.107 kg – 0.314 kg

$$\begin{array}{r} 2.107 \\ -0.314 \\ \hline 1.793 \end{array}$$

1.793 kg

2. Find the value of:

(a) $9.756 - 6.28$

(b) $21.05 - 15.27$

(c) $18.5 - 6.79$

(d) $11.6 - 9.847$

Ans. (a) $9.756 - 6.28$

$$\begin{array}{r} 9.756 \\ -6.280 \\ \hline 3.476 \end{array}$$

(b) $21.05 - 15.27$

$$\begin{array}{r} 21.05 \\ -15.27 \\ \hline 5.78 \end{array}$$

(c) $18.5 - 6.79$

$$\begin{array}{r} 18.5 \\ -6.79 \\ \hline 11.71 \end{array}$$

(d) $11.6 - 9.847$

$$\begin{array}{r} 11.600 \\ -9.847 \\ \hline 1.753 \end{array}$$

3. Raju bought a book for Rs. 35.65. He gave Rs. 50 to the shopkeeper.
How much money did he get back from the shopkeeper?

Ans. Money given to shopkeeper = Rs. 50.00

Price of the book = Rs. 35.65

Money that Raju will get back from the shopkeeper will be the difference between these two

∴ Money left with Raju is

$$\begin{array}{r} 50.00 \\ -35.65 \\ \hline 14.35 \end{array}$$

Hence, money left with Raju is Rs. 14.35

4. Rani had Rs. 18.50. She bought one ice cream for Rs. 11.75. How much money does she have now?

Ans. Money with Rani = Rs. 18.50

Price of an ice cream = Rs. 11.75

Now money left with Rani will be the difference between these two

Hence, money left with her is

$$\begin{array}{r} 18.50 \\ -11.75 \\ \hline 6.75 \end{array}$$

∴ Money left with Rani is Rs. 6.75

5. Tina had 20 m 5 cm long cloth. She cuts 4 m 50 cm length of cloth from this for making a curtain. How much cloth is left with her?

Ans. Length of cloth = 20 m 5 cm

$$= 20.05 \text{ m}$$

Length of cloth to make a curtain = 4 m 50 cm

$$= 4.50 \text{ m}$$

The length of cloth left with Tina will be the difference between these two

Thus the length of cloth left with her is

$$\begin{array}{r} 20.05 \\ -4.50 \\ \hline 15.55 \end{array}$$

∴ The length of the remaining cloth left with Tina is 15.55 m

6. Namita travels 20 km 50 m every day. Out of this, she travels 10 km 200 m by bus and the rest by auto. How much distance does she travel by auto?

Ans. Total distance travelled by Namita = 20 km 50 m

$$= 20.050 \text{ km}$$

Distance travelled by bus = 10 km 200 m

$$= 10.200 \text{ km}$$

Distance traveled by auto = Total distance traveled – Distance traveled by bus

∴ Distance to be traveled by auto is

$$\begin{array}{r} 20.050 \\ -10.200 \\ \hline 9.850 \end{array}$$

∴ Namita traveled 9.850 km by auto

7. Aakash bought vegetables weighing 10 kg. Out of this, 3 kg 500 g is onions, 2 kg 75 g is tomatoes and the rest is potatoes. What is the weight of the potatoes?

Ans. Total weight of vegetables Aakash bought = 10.000 kg

Weight of onions = 3 kg 500 g

= 3.500 kg

Weight of tomatoes = 2 kg 75 g

= 2.075 kg

Weight of potatoes = Total weight of vegetables bought - (weight of onions + weight of tomatoes)

= 10.000 - (3.500 + 2.075)

3.500

+2.075

5.575

10.000

+5.575

4.425

∴ 4.425 kg is the weight of the potatoes