Mathematics

Exercise 8.6

Question 1:
Subtract:

(a) ₹18.25 from ₹20.75 (b) 202.54 m from 250 (c) ₹5.36 from ₹8.40
(d) 2.051 km from 5.206 km (e) 0.314 kg from 2.107 kg

Answer 1:

(a)
$$\begin{array}{r} 20.75 \\ -18.25 \\ \hline 02.50 \\ \hline = ₹2.50 \end{array}$$

(b)
$$\begin{array}{r} 250.00 \\ -202.54 \\ \hline 47.46 \\ \hline = 47.46 \text{ m} \end{array}$$

(c)
$$\begin{array}{r} 8.40 \\ -5.36 \\ \hline 3.04 \\ \hline = ₹3.04 \end{array}$$

(d)
$$\begin{array}{r} 5.206 \\ -2.051 \\ \hline 3.155 \\ \hline = 3.155 \text{ km} \end{array}$$

(e)
$$\begin{array}{r} 2.107 \\ -0.314 \\ \hline 1.793 \\ \hline = 1.793 \text{ kg} \end{array}$$

Question 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

Answer 2:

(a)
$$\begin{array}{r} 9.756 \\ -6.28 \\ \hline 3.476 \\ \hline = 3.476 \end{array}$$

(b)
$$\begin{array}{r} 21.05 \\ -15.27 \\ \hline 05.78 \\ \hline = 5.78 \end{array}$$

(c)
$$\begin{array}{r} 18.50 \\ -6.79 \\ \hline 11.71 \\ \hline = 11.71 \end{array}$$

(d)
$$\begin{array}{r} 11.600 \\ -9.847 \\ \hline 1.753 \\ \hline = 1.753 \end{array}$$

Question 3:
Raju bought a book of ₹35.65. He gave ₹50 to the shopkeeper. How much money did he get back from the shopkeeper?

Answer 3:

Total amount given to shopkeeper = ₹50
Cost of book   = ₹35.65
Amount left   = ₹50.00 – ₹35.65
                      = ₹14.35
Therefore, Raju got back ₹14.35 from the shopkeeper.

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

Answer 4:
Total money	= ₹18.50
Cost of Ice-cream	= ₹11.75
Amount left	= ₹18.50 – ₹11.75
	= ₹6.75

Therefore, Rani has ₹6.75 now.

Question 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?

Answer 5:
Total length of cloth = 20 m 5 cm = 20.05 m
Length of cloth used = 4 m 50 cm = 4.50 m
Remaining cloth = 20.05 m – 4.50 m = 15.55 m
Therefore, 15.55 m of cloth is left with Tina.

Question 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?

Answer 6:
Total distance travel	= 20 km 50 m = 20.050 km
Distance travelled by bus	= 10 km 200 m = 10.200 km
Distance travelled by auto	= 20.050 – 10.200 = 9.850 km

Therefore, 9.850 km distance travels by auto.

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

Answer 7:
Weight of onions	= 3 kg 500 g = 3.500 kg
Weight of tomatoes	= 2 kg 75 g = 2.075 kg
Total weight of onions and tomatoes	= 3.500 + 2.075 = 5.575 kg
Therefore, weight of potatoes	= 10.000 – 5.575 = 4.425 kg

Thus, the weight of potatoes is 4.425 kg.