

Access NCERT Solutions for Class 6 Chapter 8: Decimals Exercise 8.6

1. Subtract:

(a) \square 18.25 from \square 20.75

(b) 202.54 m from 250 m

(c) \square 5.36 from \square 8.40

(d) 2.051 km from 5.206 km

(e) 0.314 kg from 2.107 kg

Solutions:

(a) \square 20.75 – \square 18.75

20.75

– 18.25

2.50

\square 2.50

(b) 250 m – 202.54 m

250.00

– 202.54

47.46

47.46 m

(c) \square 8.40 – \square 5.36

8.40

– 5.36

3.04

\square 3.04

(d) 5.206 km – 2.051 km

5.206

– 2.051

3.155

3.155 km

(e) $2.107 \text{ kg} - 0.314 \text{ kg}$

2.107

$- 0.314$

1.793

1.793 kg

2. Find the value of:

(a) $9.756 - 6.28$

(b) $21.05 - 15.27$

(c) $18.5 - 6.79$

(d) $11.6 - 9.847$

Solutions:

(a) 9.756

$- 6.280$

3.476

(b) 21.05

$- 15.27$

5.78

(c) 18.50

$- 6.79$

11.71

(d) 11.600

$- 9.847$

1.753

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

Solutions:

Money given to shopkeeper = ₹ 50.00

Price of the book = ₹ 35.65

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

∴ Money left with Raju is

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

$$\begin{array}{r} 14.35 \\ \hline \end{array}$$

Hence, money left with Raju is ₹ 14.35

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

Solutions:

Money with Rani = ₹ 18.50

Price of an ice cream = ₹ 11.75

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

Hence, money left with her is

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

$$\begin{array}{r} 6.75 \\ \hline \end{array}$$

∴ Money left with Rani is ₹ 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?

Solutions:

Length of cloth = 20 m 5 cm

= 20.05 m

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

= 4.50 m

Length of cloth left with Tina will be the difference of these two

Thus length of cloth left with her is

20.05

– 4.50

15.55

∴ 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?

Solutions:

Total distance travelled by Namita = 20 km 50 m

= 20.050 km

Distance travelled by bus = 10 km 200 m

= 10.200 km

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

∴ Distance to be travelled by auto is

20.050

– 10.200

9.850

∴ Namita travelled 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?

Solutions:

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