

## **Access NCERT Solutions for Class 6 Chapter 8:** **Decimals 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

---

38.587

**(b) Sum of  $15 + 0.632 + 13.8$**

15.000

0.632

+ 13.800

---

29.432

**(c) Sum of  $27.076 + 0.55 + 0.004$**

27.076

0.550

+ 0.004

---

27.630

**(d) Sum of  $25.65 + 9.005 + 3.7$**

25.650

9.005

$$+ 3.700$$

---


$$38.355$$


---

(e) Sum of  $0.75 + 10.425 + 2$

$$0.750$$

$$10.425$$

$$+ 2.000$$

---


$$13.175$$


---

(f) Sum of  $280.69 + 25.2 + 38$

$$280.69$$

$$25.20$$

$$+ 38.00$$

---


$$343.89$$


---

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

**Solutions:**

$$\text{Cost of Maths book} = ₹ 35.75$$

$$\text{Cost of Science book} = ₹ 32.60$$

Total amount spent by Rashid is

$$35.75$$

$$+ 32.60$$

---


$$68.35$$


---

∴ 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:**

Amount given by Radhika's mother = ₹ 10.50

Amount given by Radhika's father = ₹ 15.80

Total amount given by her parents

10.50

+ 15.80

---

26.30

---

∴ 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

Total length of cloth is

3.20

+ 2.05

---

5.25

---

∴ 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

$$= 1.007 \text{ km}$$

Total distance walked by Naresh is

$$2.035$$

$$+ 1.007$$

---

$$3.042$$

---

$\therefore$  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

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

$$= 15.268 \text{ km}$$

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

$$15.268$$

$$7.007$$

$$+ 0.500$$

---

$$22.775$$

---

$\therefore$  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

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

$$= 5.400 \text{ kg}$$

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

---

18.270

---

∴ Total weight of his purchases is 18.270 kg