

## **Access NCERT Solutions for Class 6 Chapter 8:** **Decimals Exercise 8.4**

**1. Express as rupees using decimals.**

(a) 5 paise

(b) 75 paise

(c) 20 paise

(d) 50 rupees 90 paise

(e) 725 paise

**Solutions:**

We know that there are 100 paise in 1 rupees

(a) 5 paise =  $5 / 100$  rupees

= Rupees 0.05

(b) 75 paise =  $75 / 100$  rupees

= Rupees 0.75

(c) 20 paise =  $20 / 100$  rupees

= Rupees 0.20

(d) 50 rupees 90 paise =  $[(50 + 90 / 100)]$  rupees

= Rupees 50.90

(e) 725 paise =  $725 / 100$  rupees

= Rupees 7.25

**2. Express as metres using decimals.**

(a) 15 cm

(b) 6 cm

(c) 2 m 45 cm

(d) 9 m 7 cm

(e) 419 cm

**Solutions:**

We know that there are 100 cm in 1 metre

(a) 15 cm =  $15 / 100$  m

= 0.15 m

(b) 6 cm =  $6 / 100$  m

= 0.06 m

(c) 2 m 45 cm =  $[(2 + 45 / 100)]$  m

= 2.45 m

(d) 9 m 7 cm =  $[(9 + 7 / 100)]$  m

= 9.07 m

(e)  $419 \text{ cm} = 419 / 100 \text{ m}$   
 $= 4.19 \text{ m}$

**3. Express as cm using decimals**

(a) 5 mm

(b) 60 mm

(c) 164 mm

(d) 9 cm 8 mm

(e) 93 mm

**Solutions:**

We know that there are 10 mm in 1 cm

(a)  $5 \text{ mm} = 5 / 10 \text{ cm}$   
 $= 0.5 \text{ cm}$

(b)  $60 \text{ mm} = 60 / 10 \text{ cm}$   
 $= 6.0 \text{ cm}$

(c)  $164 \text{ mm} = 164 / 10 \text{ cm}$   
 $= 16.4 \text{ cm}$

(d)  $9 \text{ cm } 8 \text{ mm} = [(9 + 8 / 10)] \text{ cm}$   
 $= 9.8 \text{ cm}$

(e)  $93 \text{ mm} = 93 / 10 \text{ cm}$   
 $= 9.3 \text{ cm}$

**4. Express as km using decimals.**

(a) 8 m

(b) 88 m

(c) 8888 m

(d) 70 km 5 m

**Solutions:**

We know that there are 1000 metres in 1 km

(a)  $8 \text{ m} = 8 / 1000 \text{ km}$   
 $= 0.008 \text{ km}$

(b)  $88 \text{ m} = 88 / 1000 \text{ km}$   
 $= 0.088 \text{ km}$

(c)  $8888 \text{ m} = 8888 / 1000 \text{ km}$   
 $= 8.888 \text{ km}$

(d)  $70 \text{ km } 5 \text{ m} = [(70 + 5 / 1000)] \text{ km}$   
 $= 70.005 \text{ km}$

**5. Express as kg using decimals.**

(a) 2 g

**(b) 100 g**

**(c) 3750 g**

**(d) 5 kg 8 g**

**(e) 26 kg 50 g**

**Solutions:**

We know that there are 1000 grams in 1 kg

$$(a) 2 \text{ g} = 2 / 1000 \text{ kg}$$

$$= 0.002 \text{ kg}$$

$$(b) 100 \text{ g} = 100 / 1000 \text{ kg}$$

$$= 0.1 \text{ kg}$$

$$(c) 3750 \text{ g} = 3750 / 1000 \text{ kg}$$

$$= 3.750 \text{ kg}$$

$$(d) 5 \text{ kg } 8 \text{ g} = [(5 + 8 / 1000)] \text{ kg}$$

$$= 5.008 \text{ kg}$$

$$(e) 26 \text{ kg } 50 \text{ g} = [(26 + 50 / 1000)] \text{ kg}$$

$$= 26.050 \text{ kg}$$