

Board -CBSE

Class - 6<sup>th</sup>

Topic - Decimals Ex:8.4

## 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

**Ans.** 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

**Ans.** 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 cm =  $419 / 100$  m  
= 4.19 m

3. Express in cm using decimals

- (a) 5 mm                      (b) 60 mm                      (c) 164 mm  
(d) 9 cm 8 mm                      (e) 93 mm

**Ans.** 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 in km using decimals.

(a) 8 m

(b) 88 m

(c) 8888 m

(d) 70 km 5 m

**Ans.** 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 in kg using decimals.

(a) 2 g

(b) 100 g

(c) 3750 g

(d) 5 kg 8 g

(e) 26 kg 50 g

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

$$= 5.008 \text{ kg}$$

$$(e) 26 \text{ kg } 50 \text{ g} = [(20 + 50 / 1000)] \text{ kg}$$

$$= 26.050 \text{ kg}$$