

EXERCISE 8.4

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- 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 rupee.

- (a) 5 paise = 5 / 100 rupees
- = Rupess 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

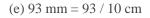
- (a) 15 cm = 15 / 100 m
- = 0.15 m
- (b) 6 cm = 6 / 100 m
- = 0.06 m
- (c) 2 m 45 cm = [(2 + 45 / 100)] m
- = 2.45 m
- (d) 9 m 7 cm = [(9 + 7 / 100)] m
- = 9.07 m
- (e) 419 cm = 419 / 100 m
- = 4.19 m
- 3. Express as cm using decimals
- (a) 5 mm
- (b) 60 mm
- (c) 164 mm
- (d) 9 cm 8 mm
- (e) 93 mm

Solutions:

We know that there are 10 mm in 1 cm.

- (a) 5 mm = 5 / 10 cm
- = 0.5 cm
- (b) 60 mm = 60 / 10 cm
- = 6.0 cm
- (c) 164 mm = 164 / 10 cm
- = 16.4 cm
- (d) 9 cm 8 mm = [(9 + 8 / 10)] cm
- = 9.8 cm





= 9.3 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 m = 8 / 1000 km
- = 0.008 km
- (b) 88 m = 88 / 1000 km
- = 0.088 km
- (c) 8888 m = 8888 / 1000 km
- = 8.888 km
- (d) 70 km 5 m = [(70 + 5 / 1000)] km
- = 70.005 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 g = 2 / 1000 kg
- = 0.002 kg

- (b) 100 g = 100 / 1000 kg
- = 0.1 kg
- (c) 3750 g = 3750 / 1000 kg
- = 3.750 kg
- (d) 5 kg 8 g = [(5 + 8 / 1000)] kg
- = 5.008 kg
- (e) 26 kg 50 g = [(26 + 50 / 1000)] kg
- = 26.050 kg