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 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

(e) 93 mm = 93 / 10 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