Mensuration I Ex 20.3 Q1

Answer :

We have,

Base = 8 cm and altitude = 4.5 cm

Thus,

Area of the parallelogram = Base x Altitude

$$= 8 \text{ cm} \times 4.5 \text{ cm}$$

$$= 36 \text{ cm}^2$$

Mensuration I Ex 20.3 Q2

Answer :

We have,

(i) Base = 15 dm = (15 x 10) cm = 150 cm = 1.5 m   [Since 100 cm = 1 m]

Altitude = 6.4 dm = (6.4 x 10) cm = 64 cm = 0.64 m

Thus,

Area of the parallelogram = Base x Altitude

$$= 1.5 \text{ m} \times 0.64 \text{ m}$$

$$= 0.96 \text{ m}^2$$

(ii) Base = 1 m 40 cm = 1.4 m   [Since 100 cm = 1 m]

Altitude = 60 cm = 0.6 m

Thus,

Area of the parallelogram = Base x Altitude

$$= 1.4 \text{ m} \times 0.6 \text{ m}$$

$$= 0.84 \text{ m}^2$$

Mensuration I Ex 20.3 Q3

Answer :

We have,

Area of the given parallelogram = 54 dm^2

Base of the given parallelogram = 12 dm

∴ Altitude of the given parallelogram = $\frac{\text{Area}}{\text{Base}} = \frac{54}{12}$ dm = 4.5 dm

*********** END **********