Self Practice- 12B

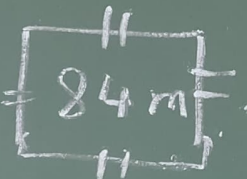
12. Perimeter and Area

Self Practice 12B

7. Find the length of the side of a square whose.

Perimeter is :-

a) 84 m



Perimeter of a square = 4 × side

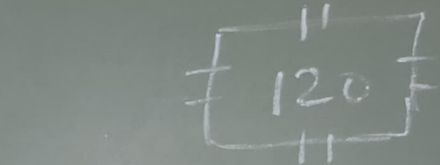
$84m = 4 \times side$

$Side = \frac{84\ m}{4}$

$Side = 21m$

Ans :- Length of the side of a square = 21m.

(c) 120 m



Perimeter of square = 4 × side

$120m = 4 \times Side$

$Side = \frac{\overset{30}{\cancel{120}}\ m}{\underset{}{4}}$

$= 30m$

Length of the side of a square = 30m.

12. Perimeter and Area

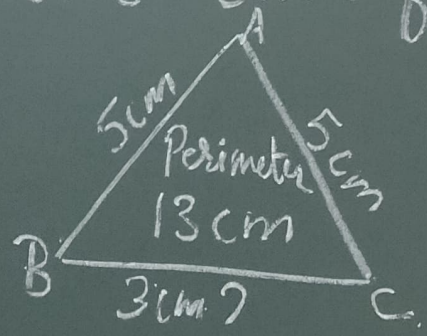
Self Practice 12 B

Word Problem – Question No. 8 and 11 omitted

9. Two sides of a triangle are equal and measure 5 cm each. If the perimeter of the triangle is 13 cm, Find the third side.

Solution :–

Perimeter = Sum of all sides



Perimeter of triangle = AB + BC + CA

13 cm = 5 cm + Bc + 5 cm

13 cm = 10 cm + BC

Bc = 13 cm – 10 cm

Bc = 3 cm

Ans :– Third side of the triangle is 3 cm.

12. Perimeter and Area

Self Practice 12B

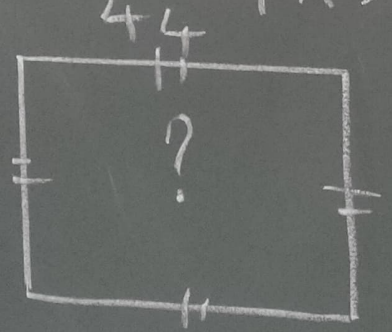
Word Problems – Question No. 8 and 11 omitted

10. A square picture of 44 cm has to be framed. Find the length of the frame needed. Give the answer in metres and Centimetres.

Solution :-

Perimeter of Square = Sum of all sides

4 × sides



Perimeter of Square = 4 × Sides

= 4 × 44 cm

= 176 cm

Changing to metre = $\frac{176}{100}$ m

= 1.76 metres

Length of the frame in cm = 176 cm

and in metres = 1.76 m.

Self practice-12B

Question No. 2, 8, & 11 omitted

Self practice-12C

&

Self practice-12D omitted