CLASS: 4
MATHS
VIDEO-3

Exercise-10B

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Q.F. Find the area of the square, whose:

① side = 20 cm

Solution:

Area of the square
= side × side
= 20 cm × 20 cm
= 400 sq cm Ans

(4) side = 112 m

Solution:

Area of the square
= side × side
= 112 cm × 112 cm
= 12,544 sq cm Ans

(7) side = 92 dm

Solution:

Area of the square
= side × side
= 92 dm × 92 dm
= 8,464 sq dm Ans

Q.G.(1) Find the perimeter of the triangle whose sides are 8 cm, 9 cm and 12 cm. Solution

Perimeter of the triangle = Sum of lengths of all the three sides
= 8 cm + 9 cm + 12 cm = 29 cm Ans

Q.G.(2) Find the perimeter of the rectangle whose sides are 10 cm and 7 cm. Solution

Perimeter of the rectangle
= 2 × [length + breadth]
= 2 × [10 cm + 7 cm]
= 2 × 17 cm = 34 cm Ans

Q.5.(3) Find the perimeter of the square whose side is 14 cm

Solution: Perimeter of the square = 4 × side = 4 × 14 cm = 56 cm Ans

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(1) Area of a square of side 1 cm = side × side = 1 cm × 1 cm = 1 sq cm Ans

(2) Area of a square of side 1 cm 2 mm = 144 sq mm

side = 1 cm 2 mm = 1 cm + 2 mm = 10 mm + 2 mm = 12 mm

∴ Area of the square = side × side = 12 mm × 12 mm = 144 sq mm

(3) Area of a rectangle of dimensions 1 m and 2 m is

= 1 m × 2 m = 2 sq m Ans [Area of the rectangle = l × b]

(8) Find the area of the square whose perimeter is 4 cm.

Solution: Given,

Perimeter of the square = 4 cm

∴ 4 × side = 4 cm

∴ side = 4 cm ÷ 4 = 1 cm

Side of a square = perimeter ÷ 4

∴ Area of the square

= side × side

= 1 cm × 1 cm

= 1 sq cm Ans