H.W.
1/12/2021

# Exercise 14(A)

2. Find the perimeters of the squares with the following sides:

c) 9m 15cm = 36m 60cm

Length of one side = 9m 15cm

Perimeter = 4 x length of one side
= 4 x 9015cm
= 36m 60cm

d) 12m 14cm = 48m 56cm

Length of one side = 12m 14cm

Perimeter = 4 x length of one side
= 4 x 1214cm
= 48m 56cm

3. Find the perimeters of the rectangles with the following dimensions:

c) Length = 2 cm ; breadth = 1 cm = 6 cm

Length = 2 cm ; breadth = 1 cm

Perimeter = 2 x (length + breadth)
= 2 x (2 + 1)
= 2 x 3
= 6 cm

d) Length = 10m 3 cm ; breadth = 7m 25 cm
= 34 m 56 cm

Length = 10m 3cm ; breadth = 7m 25 cm

Perimeter = 2 x (length + breadth)
= 2 x (10.03 + 7.25)
= 2 x 17.28
= 34 m 56 cm

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Ch-14

# Perimeter and Area

4. Find the perimeters of the following triangles if the length of each side of the triangle is:

c) 8m 5cm = 24m 15cm

Side = 8m 5cm

Perimeter = AB + BC + CA
= 8.05 + 8.05 + 8.05
= 24m 15cm

d) 11m 10cm = 33m 30cm

Side = 11m 10cm

Perimeter = AB + BC + CA
= 11.10 + 11.10 + 11.10
= 33m 30cm

5. Find the perimeters of the triangles with the following dimensions.

c) AB = 7cm ; BC = 4.5 cm ; CA = 3.5cm = 15 cm

Perimeter = AB + BC + CA
= 7 + 4.5 + 3.5
= 15 cm

d) AB = 12 m ; BC = 11m ; CA = 9m 7cm = 32m 7cm

Perimeter = AB + BC + CA
= 12 + 11 + 9.07
= 32m 7cm

8. A table top of wood is of length 150 m and breadth 120 m. What is its perimeter?

Ans- Length = 150m
Breadth = 120m
Perimeter of the table top = Length = 150 m, breadth = 120m

Perimeter = 2 x (length + breadth)
= 2 x (150 + 120)
= 2 x 270
= 540 m

∴ Perimeter of table top of wood is 540m.

9. A triangular park has its sides of length 200m, 180m and 120m respectively. Calculate the distance travelled by a man if he goes around the park twice.

Ans- Sides of the triangular park = 200m, 180m and 120m

Perimeter of the triangular park = 500 m

Perimeter = AB + BC + CA
= 200 + 180 + 120
= 500m

Distance covered by the man if he goes around the park twice = 2 × 500 = 1,000m

∴ Distance covered by the man if he goes around the park twice is 1,000m.

10. A square shaped garden is of length 100m. How much wire will be required for fencing around it thrice?

Ans- The length of the square garden = 100 m
Perimeter of the square garden = 400 m

Length of one side = 100m

Perimeter = 4 × length of one side
= 4 × 100
= 400 m

Length of the wire will be required to fence it thrice = 3 × 400 = 1,200 m

∴ 1,200 m length of the wire will be required to fence it thrice.