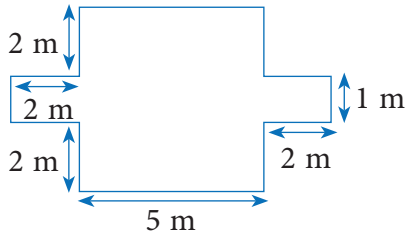


PERIMETER AND AREA OF PLANE FIGURES

18

Q1. Find the perimeter of the following figure:



Answer: Perimeter = _____

Q2. The following table shows the length, breadth and perimeter of rectangle. Fill in the missing entries of the table:

Length (l)	Breadth (b)	Perimeter of rectangle
_____ m	5 m	24 m
25 m	_____ m	70 m
10 m	_____ m	28 m
_____ m	6 m	32 m

Q3. The total perimeter of two identical squares is 480 m. Find the side of each square.

Answer: _____

Q4. Shilpa ran around a square park of side 500 m, and Mani ran around a rectangular park of 300 m x 200 m. If both of them took two rounds of their respective parks, who covered more distance and how much more?

Answer: _____

Q5. The rectangular jogging track in the park needs repairing. If the track is 1500 m long and 120 cm wide, find the cost of repairing the track at the rate of ₹ 10 per m².

Answer: _____

Q6. The three sides of a triangle are in the ratio 2:3:5. If the perimeter of the triangle is 1200 cm, find the measure of each side of the triangle. Also identify and write the type of triangle.

Answer: Measure of the sides: _____

Type of triangle : _____

Q7. State true or false:

a. The area of a square is four times the measure of its side. _____

b. The perimeter of a rectangle is twice the sum of its four sides. _____

c. It is impossible to determine the area of an irregular figure. _____

d. The perimeter of a rhombus with side x cm = the perimeter of a square with side x cm. _____

Q8. Find the ratio of the length and breadth of a rectangle whose perimeter is 70 cm and one of the sides is 25 cm.

Answer: _____

Q9. Three rectangles measuring 6 m by 2 m are joined together to form a square. On the basis of the above information find the following:

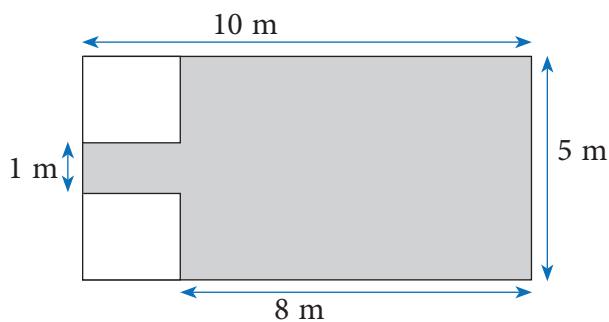
a. the perimeter of the resulting square = _____

b. the area of the resulting square = _____

c. The area of one rectangle to that of the square = _____

d. The perimeter of one rectangle to that of the square = _____

Q10. Find the area of the shaded portion in the following figure:



Answer: _____

ANSWERS

1. 28 m

2.

Length (l)	Breadth (b)	Perimeter of rectangle
7 m	5 m	24 m
25 m	10 m	70 m
10 m	4 m	28 m
10 m	6 m	32 m

3. 60 m

4. Shilpa covered 1000 m more distance than Mani

5. ₹ 18000

6. 240 cm, 360 cm, 600 cm; scalene triangle

7. a. False; b. False; c. False; d. True

8. 5:2

9. a. 24 m, b. 36 m^2 , c. 1:3, d. 2:3

10. 42 m^2