

Q1. The perimeter of a quadrilateral ABCD is 75 cm. Find the measure of each side of the quadrilateral, if the sides are in the ratio 1 : 2 : 3 : 4.

Measure of the sides of the quadrilateral: _____

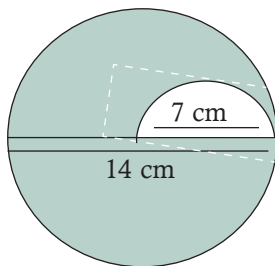
Q2. A diagonal of a rectangle PQRS is 26 cm. If the length of the rectangle is 24 cm, find the breadth of the rectangle.

Breadth of the rectangle: _____

Q3. The dimensions of a passport size photo is 45 mm \times 35 mm. Raman has to paste passport size photos of five family members on a rectangular sheet that is 20 cm long and 4.6 cm broad. How much space will be left on the sheet after pasting all the photographs?

Answer: _____

Q4. The diameters of the two circles are given in the figure. Find the area of the shaded region



Area of the shaded region = _____

Q5. The side AB of a parallelogram ABCD is 2.5 cm more than the side BC. If the perimeter of the parallelogram is 75 cm, find the measure of any two adjacent sides of the parallelogram.

Answer: _____

Q6. If the perimeter of an equilateral triangle is 36 cm, find its area.

Answer: _____

Q7. The lengths of parallel sides of a trapezium are in the ratio 3 : 5 and the distance between them is 24 cm. If the area of the trapezium is 960 cm^2 , find the lengths of its parallel sides.

Answer: _____

Q8. If the diagonals of a rhombus are in the ratio 3 : 4, find the perimeter of the rhombus if its area is 864 m^2 .

Perimeter of the rhombus: _____

Q9. Each point on the jogging track of the park is exactly 7 m away from the water fountain in the park. If Raj runs 2 rounds of the jogging track, find the distance covered by him.

Answer: _____

Q10. A wire in the shape of a rectangle is bent to form a circle. The length and breadth of the rectangle was 144 mm and 120 mm respectively. The circle is rolled twelve times to move from point A to Point B. Find the distance between the two points.

Distance between points A and B (in cm): _____

Answers

1. 7.5 cm, 15 cm, 22.5 cm, 30 cm
2. 10 cm
3. 1325 mm^2
4. 134.75 cm^2
5. 17.5 cm, 20 cm
6. $36\sqrt{3} \text{ cm}^2$
7. 30 cm, 50 cm
8. 120 m
9. 88 m
10. 633.6 cm