

## Grade 7 Mathematics CBSE

### Perimeter and Area

Total:25

Q1) Fill in the blanks

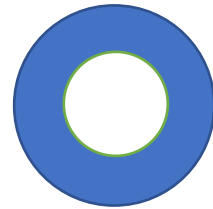
5

- 1.) The area of square of perimeter 36cm is \_\_\_\_\_.
- 2.) If the side of square is tripled, its area will be \_\_\_\_\_.
- 3.) The altitude of a triangle whose area is 42cm and base is 12cm. is \_\_\_\_\_.
- 4.) \_\_\_\_\_ sq.m make an area of 2 hectares.
- 5.) Ratio of circumference & diameter is \_\_\_\_\_.

#### Section B 3x4

Q2) If each side of a rectangle is doubled, find the ratio between: Perimeter of the original rectangle and the resulting rectangle.

Q3) The adjoining figure shows two circles with same center. The radius of the larger circle is 10cm and the distance between both circles is 6cm. Find the area of shaded region between two circles.

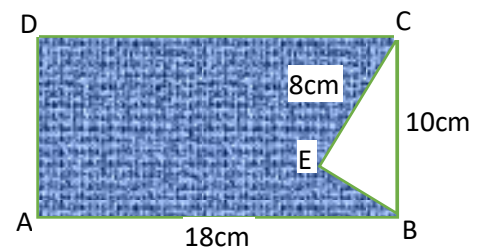


Q4) A bicycle wheel with diameter 56cm is making 45 revolutions in every 10 seconds. At what speed in kilometer per hour is the bicycle travelling?

Q5) A wire is bent in form of square of area  $196\text{cm}^2$ . If the same wire is bent to form a circle, find the area of circle.

#### Section C 2x4

Q6) In the figure given, ABCD is a rectangle of size 18cm by 10cm. In  $\triangle BEC$ ,  $\angle E = 90^\circ$  and  $EC = 8\text{cm}$ . Find the area of shaded region.



Q7) A door of length 2m and breadth 1m is fitted in a wall. The length of the wall is 4.5m and the breadth is 3.6m. find the cost of white washing the wall, if the rate of white washing the wall is ₹20 per  $\text{m}^2$ .