Sample Paper
Class VII Math (Mensuration)
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Q1. Find the area of a circle whose radius is 28 cm. (Take л = 22/7)

Q2. The circumference of a circle is 314 cm. Find the radius and area of the circle.

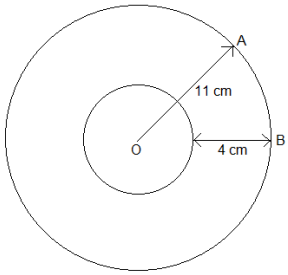
Q3. If the area of a circle is 616 m², find its circumference.

Q4. If a water sprinkler sprays water 63 cm in each direction. Find the area in which it sprinkles water.

Q5. A horse tied with a rope in the center of a square lawn of side 27 m. If the length of rope is 7 m. Find the area of the lawn which the horse can graze. Also, find the ungrazed area of the lawn.

Q6. Find the circumference of a circle whose area is 3 times the area of a circle with diameter 28 cm.

Q7. Find the area of smaller circle



Q8. Find the area of the following parallelograms.

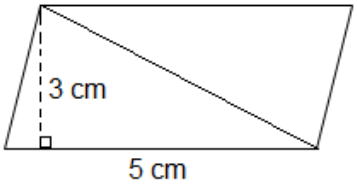


Fig (a)

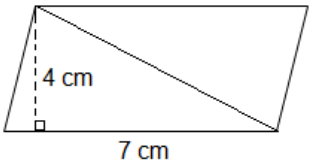


Fig (b)

Q9. A rectangular park 70 m by 40 m has a square flower bed of side 25 m in the middle. Find the area of the remaining path.

Q10. A walking path is to be laid down outside the rectangular garden whose length is 110 m and breadth is 90 m. Find the area of path in hectares, if the width of the path is 5 m.

Q11. A picture of dimensions 20 cm X 15 cm is to be framed with a 2 cm wide frame. Find the area of the frame required. Also, find the cost of framing at the rate of Rs 8 per sq.cm.

Q12. A rectangular field is 85 m long and 65 m wide. Two cross roads each 4m broad are constructed at the center of the field. One parallel to the length of the field and the other parallel to the breadth of the field. Find :-

i) Area of cross-roads
ii) Area of remaining field
iii) Cost of laying grass in the remaining field at the rate of Rs 25 per sq.cm.

Q13 A path runs around a circular flower bed. If the circumference of the flower bed and the path are 88 m and 154 m respectively, find the width of the path and the area of the path. (Take л = 22/7)

Q14. A window is in the shape of a semicircle having its diameter as 1.4 m. Find the cost of framing the window at the rate of Rs 12 per cm. Also, find the rate of putting glass at the rate of Rs 7 per sq.cm.