



Primrose Schools

ICSE Curriculum
(A Unit of Primrose Educational Trust, Chennai)
An ISO 9001:2015 Certified Institution

State Purpose of Worksheet-Alternate Worksheet -2 [2019 – 2020]

[KG Class work/HomeAssignment/Alternate Class work/Revision Test/Internal Assessment/Formative Assessment/Summative Assessment/Preboard]

Name:	Std: VII	Subject: Mathematics
Date:	Term: III	Topic: Chapter-16. Perimeter and Area
Maximum Marks: NA	Time Duration: 30 mins	Type of Assessment (if internal assessment):NA

Perimeter of plane figures

1. The perimeter of a rectangle is 56cm, and the length of the rectangle is 17cm. Find the breadth of a rectangle.
2. A playground is 60m long and 25m wide. Find the cost of the fencing the ground at the rate of ₹25 per metre.
3. Find the cost of fencing a rectangular field of length 34m and breadth 18m, where the rate is ₹2.25 per metre.
4. Ashok runs a rectangular field twice and covers a distance of 540m. If the length of the field is 75m, find its breadth.
5. If the diameter of a circle is 5.6m, what is its radius and circumference?
6. The circumference of 2 concentric circles is 121cm and 154cm. Calculate the difference between their radii.
7. A playground is 25m long and 20m wide. Find the cost of fencing it at the rate of 2.50 rupees per metre.
8. A piece of wire is bent in the shape of a rectangle, which has a length of 35cm and a breadth of 20cm. It is opened and bent again to form a circular ring. What is the diameter of the ring.

Area of plane regions

1. The area of a rectangle is 24cm^2 and its width is 6cm. Find its length.
2. Calculate the cost of carpeting a rectangular floor at the rate of 225 rupees per square metre, if the length and breadth of the floor are 16m and 12m respectively.
3. A room is 5.6m long and 3.6m wide. Some square marbles of size 10cm x 10cm are to be laid in the room. How many tiles are required? Calculate the cost of laying at the rate of 5 rupees for 2 tiles.
4. A 4m wide path runs around a field of length 130m and width 85m. Find the area of the path.
5. A photo is placed on a piece of cardboard of dimensions 12cm x 10cm. If the photo measures 8cm x 6cm and is placed in the middle of the cardboard, what is the area of cardboard that is visible outside the photo.
6. Find the area of a parallelogram, whose base measures 17cm and the corresponding height is 7cm.
7. The area of a parallelogram with base 11cm is 65cm^2 . Calculate the height of the parallelogram.
8. Calculate the area of a triangle, whose base is 5 cm and its altitude is 2.8 cm
9. The area of a triangle is 48 cm^2 . If the base of the triangle is 12 cm, find its altitude.
10. The radius of a circular park is 70 m. There is 7m wide road outside it. Find the cost of levelling the road at the rate of ₹2.30 per m^2 .