

**KLINE MEMORIAL SCHOOL OF UBS**  
**Subject- Mathematics**  
**Worksheet 4**

**Class VII**

**Date-27/04/2020**

**Do as directed**

Q.1) The length and breadth of a rectangular piece of land are in the ratio 5 : 2. If the total cost of fencing it at ₹12.5 per metre is ₹ 25000, find its length and breadth.

Q.2) Find the area of a path 2 metre wide laid inside along the boundary of a rectangular park of dimension 100 m×60 m. Find the cost of levelling it at the rate of ₹30 per sq. m.

Q.3) Find the area of a walking 1 metre in width laid outside on all sides of a lawn of length 70 m and breadth 50 m.

Q.4) The perimeter of a right triangle is 30 cm. It's hypotenuse is 13 cm and base is 5 cm. Find the area of the triangle

Q.5) A square garden has an area of 2500 sq. m. A part of uniform width of 2.5 m runs around it on the inside.

Find the cost of laying it at ₹ 25 per sq.m.

Q.6) The area of a right triangle is 100 cm<sup>2</sup>. If one of the perpendicular legs is 25 cm, find the length of the other.

Q.7) Find the area of an isosceles triangle whose perimeter is 32cm and its base is 12cm.

Q.8) The two sides of the parallelogram ABCD are 12 cm and 8 cm. The height corresponding to base CD is 6 cm. Find below,

1. The area of the parallelogram.
2. The height corresponding to base AD.

Q.9) Area of a parallelogram is 450 cm<sup>2</sup> and its altitude is 20 cm. Find the length of the corresponding side of the parallelogram.

Q.10) The area of a parallelogram and a square are the same. If the perimeter of the square is 160 m and the height of the parallelogram is 20m, find the length of the corresponding base of the parallelogram.