ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION

CLASS 8

SUBJECT :Algebra and Geometry **Work sheet 5**

Marks:15 **AREAS OF RECTILINEAR FIGURES**

(Squares and rectangles) **Date:11.4.2020**

Answer all the following questions(1×15=15)

1) _____ = 2l + 2b, where l is length, b is breadth
(a) Perimeter of square (b) Perimeter of rectangle (c) Area of rectangle (d) Area of square

2) The area of a square is 64cm^2 .Its perimeter is
(a) 8cm (b) 24cm (c) 32cm (d) none of these

3) The perimeter of a square book of side 20cm is
(a) 80cm (b) 100cm (c) 40cm (d) 60cm

4) The perimeter of a carpet whose length is 3m and breadth is 1.8m is
(a) 4.6m (b) 9.6m (c) 4.5m (d) 8.2m

5) The perimeter of a rectangle is 54cm and its length is 12cm. Then its breadth is
(a) 15cm (b) 5cm (c) 10cm (d) 20cm

6) The length of the side of a square park whose perimeter is 64m is
(a) 4m (b) 8m (c) 16m (d) none of these

7) Area of a rectangle = ?
(a) l × b (b) l + b (c) 4 × l (d) l-b

8) Diagonal of a square of side 3cm is
(a)3√2cm (b) 2cm (c) √3cm (d) 6cm

9) Area of 4 walls of a room is
(a) 2(l+b) ×h (b) 2lb+h (c) 2(h+l) ×b (d) 2lbh

10) The area of a square whose side is 1.2cm is
(a) 1.44cm^2 (b) 14.4m^2 (c) 0.44cm^2 (d) 144cm^2

11) The diagonal of a square is $\sqrt{2}$ cm.The side of the square is
(a) 6cm (b) 1cm (c) 2cm (d) $2\sqrt{2}$cm

12) Length and breadth of a rectangle is 3cm and 4 cm. Its diagonal is _____
(a) 5cm (b)2cm (c)7cm (d) 12cm

13) The perimeter of a square is 8cm. Its area is _____ cm^2
(a) 6cm^2 (b) 4cm^2 (c) 7cm^2 (d) 64cm^2

14)Number of stamps measuring 2cm×1.5cm which can be pasted on a sheet of paper 12cm×6cm is
(a) 72 (b) 24 (c) 48 (d) 100

15) Unit of perimeter can be _____
(a) m^2 (b) cm^2 (c) m (d) m^3

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