# ST. LAWRENCE HIGH SCHOOL
### A JESUIT CHRISTIAN MINORITY INSTITUTION

**Sub:Arithmetic**    **Class: 7**    **Date: 18. 04.20**
**Duration: 40 min**    **Worksheet Solutions 5**    **Full Marks: 15**
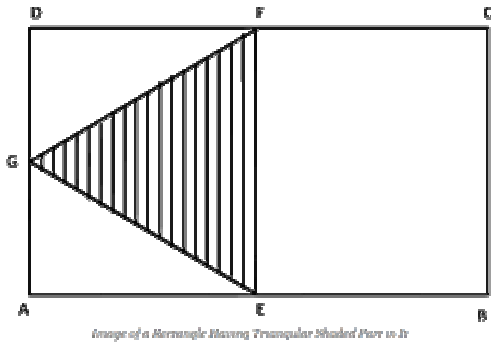### AREA AND PERIMETER

**Choose the Correct options:**

1. The area of a rectangular field of length 20m and breadth 15m is ————-
    A. 200 sq m
    B. 250 sq m
    C. **300 sq m**

2. The perimeter of a square of side 25m is ———
    A. 75m
    B. **100m**
    C. 125 m

3. The area of a triangle whose base is 7 cm and height 4 cm is ————
    A. 28 sq cm
    B.**14 sq cm**
    C. 22 sq cm

4. If the area of the parallelogram is 32 sq cm and the base is 4 cm, then height is ————
    A. 128 cm
    B. **8 cm**
    C. 64 cm

5. The distance around a circular region is known is its ———
    A. Perimeter
    B. **Circumference**
    C. Area

6. The circumference of a circle of diameter 10 cm is ————
    A. **31.4 cm**
    B. 3.14 cm
    C. 314 cm

7. The circumference of a circle with radius 14 cm is ————
    A. **88 cm**
    B. 44 cm
    C. 22 cm

8. 1 sq meter is ————- sq cm.
    A. **10000 sq cm**
    B. 1000 sq cm
    C. 100 sq cm

9. 10000 sq meter is ———
    A. **1 Hectare**
    B. 1 Acre
    C. 1 Cent

10. ——— is the part of plane occupied by the closed figure.
    **A. Area**
    B. Perimeter
    C. Volume

11. The length of a minute hand of a wall clock is 5.6 cm. Find the area swept by it in an hour.
    A. 90 sq cm
    B. 101.56 sq cm

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**C. 98.56 sq cm**

12. Width of a rectangle is 0.56 hectometers and its area is 1792 sq m. The length is
_____
    A. 40 m
    **B. 32 m**
    C. 72 m

13. Calculate the area of the shaded region of the following figure. ABCD is a rectangle having length 40 cm, breadth 30 cm. E, F and G are midpoints of AB, CD and AD respectively.



Image of a Rectangle Having Triangular Shaded Part in it

    A. 900 sq cm
    **B. 300 sq cm**
    C. 600 sq cm

14. 60 square tiles of equal size were needed to cover a floor area of 135 sq m. What is the length of each tile?
    A. 105 cm
    **B. 150 cm**
    C. 115 cm

15. The area of a parallelogram is 72 sq cm and its altitude is twice the corresponding base. The length of the base is
    A. 5 cm
    **B. 6 cm**
    C. 8 cm

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