Sub:Arithmetic   **Class: 7**   **Date: 10. 04.21**
Duration: 40 min   **Worksheet 24**   **Full Marks: 15**

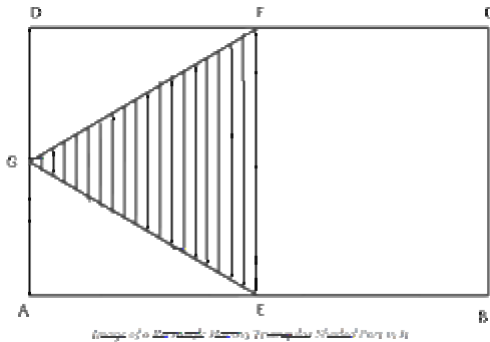### AREA AND PERIMETER

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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