

**MONA MODERN ENG. MED. SCHOOL, SARANGARH**

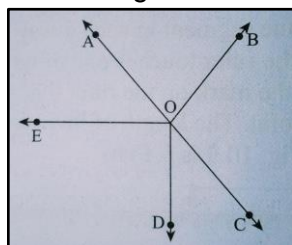
**Question Blast Round-2**

**Class: 6th**

**Sub: Maths**

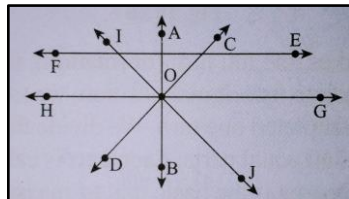
1. Observe the figure and name the following

- A line
- All rays
- All points
- All line segments



2. Observe the figure and name the following

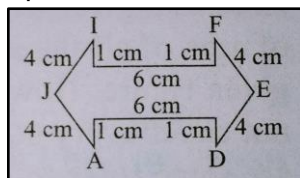
- Concurrent lines
- Perpendicular lines
- Parallel lines
- Collinear points



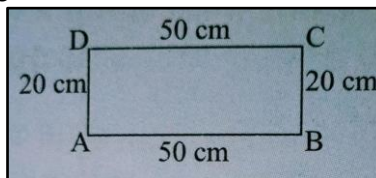
3. Write in degrees

- Four right angles
- One and half right angle
- $\frac{5}{9}$  right angles
- $\frac{3}{4}$  straight angles
- One-fourth of a straight angle

4. Find the perimeter of the following figures



a.



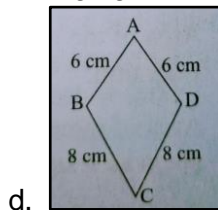
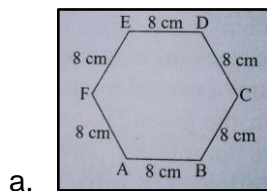
b.

5. Find Perimeter:

- An equilateral triangle of side 9 cm.
- An isosceles triangle with equal sides 8 cm each and third side 6 cm.

6. A rectangular piece of land measures 7 m by 5 m. Each side is to be fenced with 4 rows of wires. How much wire is needed?

7. Find the perimeter of the following figures



8. A piece of a string is 48 cm long. What will be the length of each side if the string is used to form:
  - a) a square b) an equilateral triangle c) a regular hexagon
9. Rinky runs around a square field of side 70 m, while Pinky runs around a rectangular field with length 90 m and breadth 60 m. Who covers more distance and by how much?
10. Find the cost of fencing a square park of side 5000 cm at the rate of 10 per m.
11. The length of a rectangular piece of cloth is 150 cm and its perimeter is 450 cm. Find its breadth.
12. A floor is 50 m long and 40 m wide. A square carpet of sides 30 m is laid on the floor. Find the area of the floor that is not carpeted.
13. What is the cost of tiling a rectangular plot of land 150 m long and 120 m wide at the rate of 8 per sq. m?
14. Varun has the option of selecting a rectangular plot of size 135 m  $\times$  45 m or a square plot of size 7500 cm at the same price. Which one should he prefer and why?
15. The area of a 60 m long rectangular garden is 300 sq. m. Find the width of the garden.
16. Find the areas of the rectangles with following lengths and breadths.
  - a. 14cm and 3cm
  - b. 15m and 8m
17. Find the areas of the squares whose sides are:
  - a. 12m
  - b. 14m
18. Find the side of a square whose area is:
  - a. 49 sq. mm
  - b. 36 sq. cm
19. If the sides of a triangle are in the ratio 3:4:5 and its perimeter is 24 cm, find the measure of each side of the triangle.
20. Find the length (l) or breadth (b) for the given rectangles.
  - a. Area = 300 sq. m and length = 12 m
  - b. Area = 98 sq. m and b = 7 m