Chapter- 15

Geometry

WORKSHEET

A. FILL IN THE BLANKS :

1. An angle measuring $180°$ is called a _straight angle_ .

2. The common starting point of an angle is called the _vertex_ of the angle.

3. A _right_ angle measures $90°$.

4. To measure an angle in degrees, we use a _protractor_ .

5. A triangle whose all sides are equal is called a _equilateral_ triangle.

B. CHOOSE THE CORRECT ANSWER :

6. A line segment has _____

    i) One end point ii) no end points   iii) two end points   iv) none of these

7. Which of the following represents a line? _____

    i) Side of a square   ii) edge of cube   iii) axis of earth

8. A _point_ has no length, breadth or thickness.

    i) point   ii) line   iii) line segment   iv) ray
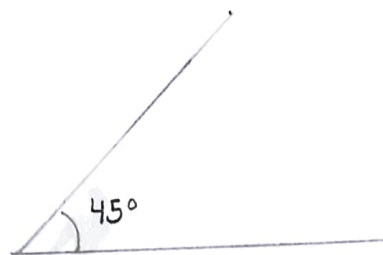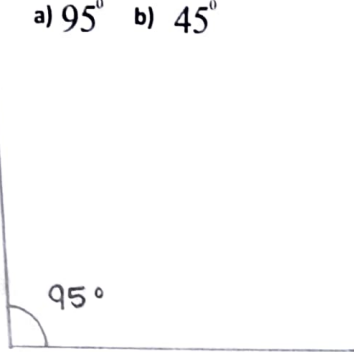
9. Identify which of the following is symmetrical?

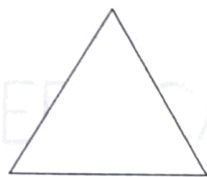   i)   ii)   iii)

C. DO AS DIRECTED:

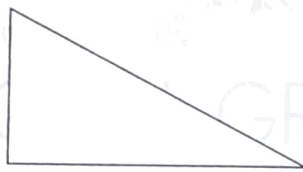**10. Draw the following angles using a protractor :**

a) 95^0 b) 45^0
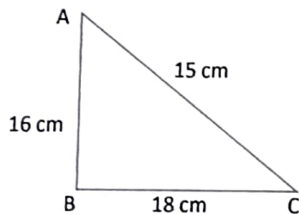
Ans.

95°

45°

11. What type of triangles are these?
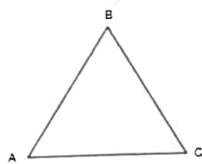
Equilateral

Right angle triangle (scalene)

12. Find the area of the triangle.

A

15 cm

16 cm

B   18 cm   C

$\text{Area} = \frac{1}{2} \times BC \times BA$
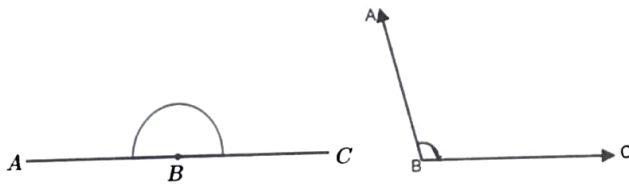
$= \frac{1}{2} \times 18 \times 16$

$= 144 \ cm^2$

Ans.

13. Name the sides, angles, and vertices of the given triangle.

Sides = AB, BC, CA   Angles= <ABC, <BCA, <CAB ;Vertices= A, B, C

14. Classify each angle as acute, obtuse, right or straight.

straight   obtuse

****