Chapter- 15

Geometry ✓

WORKSHEET

A. FILL IN THE BLANKS :

1. An angle measuring 180^0 is called a _____ ~~Abtuse angel~~ stri·

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

3. A _____ right _____ angle measures 90^0 .

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

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

B. CHOOSE THE CORRECT ANSWER :

6. A line segment has _____ two end points

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

7. Which of the following represents a line? _____ exis of earth

   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?
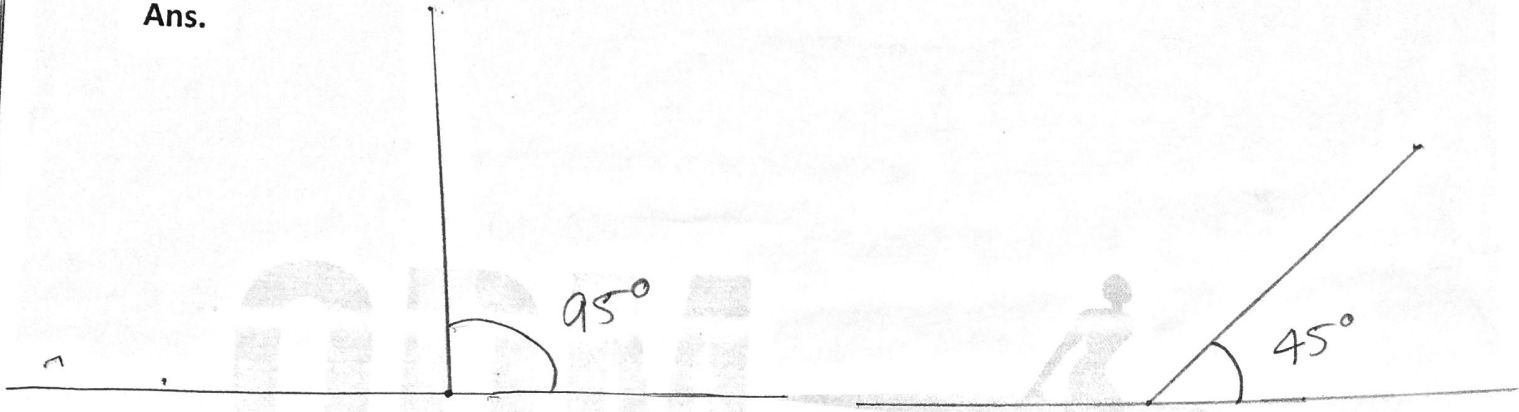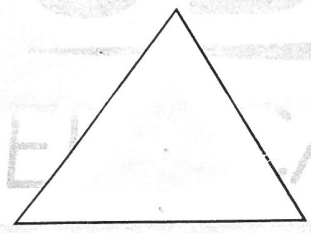
   i)   ii)   iii)

C. DO AS DIRECTED:

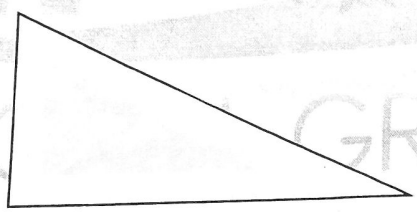**10.** Draw the following angles using a protractor :

a) 95^0 b) 45^0

Ans.

95°

45°

11. What type of triangles are these?

<u>equiletrialy</u>   <u>scalen</u> Right traiangle

12. Find the area of the triangle.

A
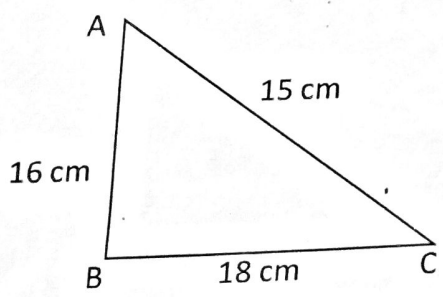
15 cm

16 cm

B   18 cm   C

$$\frac{16cm}{AB} + \frac{18cm}{BC} + \frac{15cm}{AC} =$$

ARea $= AB + BC + CA$

$= 16 c.m. + 18 c.m. + 15 c.m.$

$= 29 c.m.$

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

B

A   C
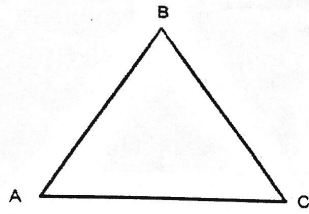
Sides = *AB, AC, BC*   Angles= *∠ABC ∠BCA ∠BAC*   Vertices= *∠A, ∠B, ∠C*

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

A ———— B ———— C

A
B ————————→ C
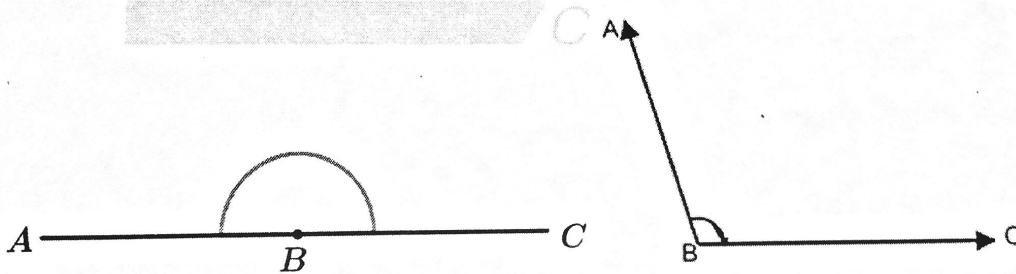
Abtuse angle   _obtuse angle_

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