

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 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?
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)

Area of a triangle $ABC =$

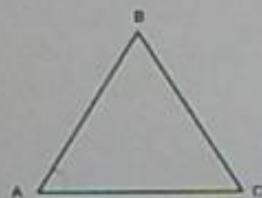
Ans. $\frac{1}{2} \times \text{Base} \times \text{Height}$

$$= \frac{1}{2} \times 18 \text{ cm} \times 16 \text{ cm}$$

$$= 144 \text{ sq. cm.}$$

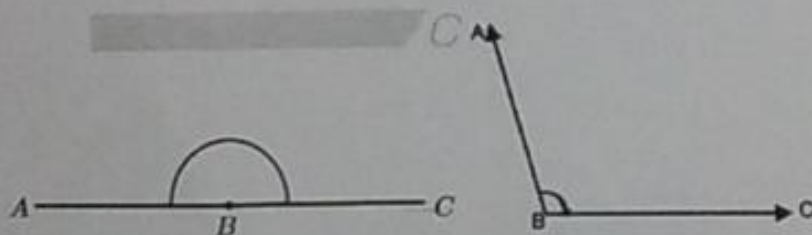
Hence, the area of a triangle is 144 sq. cm.

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



Sides = AB, BC, CA Angles = $\angle BAC, \angle ACB, \angle ABC$ Vertices = A, B, C

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



Straight angle

Obtuse angle