

CHAPTER-2 | Lines and Angles

QUIZ PART-05

1. What is an angle formed by?
 A. Two rays having a common starting point
 B. Two line segments meeting at a point
 C. Two circles touching each other
 D. Two straight lines (A)

Explanation: An angle is formed when two rays meet at a common point, called the vertex.

2. The point where the two rays of an angle meet is called the:
 A. Vertex
 B. Arm
 C. Angle
 D. Ray (A)

Explanation: The vertex is the point where the two rays of an angle meet.

3. The arms of an angle are:
 A. The points where the rays meet
 B. The line segments forming the angle
 C. The rays forming the angle
 D. The sides of a polygon (C)

Explanation: The arms of an angle are the two rays that form the angle.

4. What is the symbol used to represent an angle?
 A. \angle
 B. *
 C. +
 D. / (A)

Explanation: An angle is represented by the symbol \angle in geometry.

5. Which of the following is true for the angle $\angle ABC$?
 A. A is the vertex
 B. B is the vertex
 C. C is the vertex
 D. A and C are the vertices (B)

Explanation: In $\angle ABC$, B is the vertex, while A and C are the endpoints of the rays.

6. What is the correct naming of the angle formed by rays BA and BC?
 A. $\angle ABC$
 B. $\angle CBA$
 C. $\angle A$
 D. $\angle ACB$ (A)

Explanation: The correct way to name the angle formed by rays BA and BC is $\angle ABC$, where B is the vertex.

7. What kind of angle does the clock at 12:00 form?
 A. Acute angle
 B. Right angle
 C. Reflex angle
 D. Obtuse angle (B)

Explanation: The angle formed by the hour and minute hands of the clock at 12:00 is a right angle (90 degrees).

8. Which of the following tools is used to measure an angle?
 A. Ruler
 B. Protractor
 C. Compass
 D. Divider (B)

Explanation: A protractor is used to measure the size of an angle in degrees.

9. The angle formed by the door when it is fully opened is an example of a:
 A. Right angle
 B. Acute angle
 C. Reflex angle
 D. Obtuse angle (A)

Explanation: When a door is fully opened, it forms a right angle (90 degrees) between the door and the frame.

10. What is the name of the angle formed by the two rays in the figure shown?
 A. $\angle ABC$
 B. $\angle ACB$
 C. $\angle CAB$
 D. $\angle CBA$ (A)

Explanation: The correct name for the angle formed by two rays in the figure would be $\angle ABC$, where B is the vertex.