

CHAPTER-2 | Lines and Angles

QUIZ PART-08

1. What type of angle is formed when two rays meet at a point and the angle is less than 90° ?

- A. Acute angle
- B. Right angle
- C. Obtuse angle
- D. Reflex angle (A)

Explanation: An acute angle is an angle that is less than 90° .

2. Which of the following angles is greater than 90° but less than 180° ?

- A. Acute angle
- B. Right angle
- C. Obtuse angle
- D. Reflex angle (C)

Explanation: An obtuse angle is greater than 90° but less than 180° .

3. What does the term "acute" mean in relation to angles?

- A. Sharp
- B. Blunt
- C. Wide
- D. Flat (A)

Explanation: The term acute means sharp, which describes angles less than 90° .

4. The symbol for an angle is:

- A. \angle
- B. *
- C. +
- D. # (A)

Explanation: The symbol \angle is used to represent an angle in geometry.

5. Which of these represents an angle greater than 180° ?

- A. Acute angle
- B. Right angle
- C. Reflex angle
- D. Obtuse angle (C)

Explanation: A reflex angle is an angle that is greater than 180° but less than 360° .

6. An angle that measures exactly 90° is called a:

- A. Reflex angle
- B. Right angle
- C. Acute angle
- D. Obtuse angle (B)

Explanation: An angle that measures exactly 90° is called a right angle.

7. In the following figure, what type of angle is formed by two perpendicular lines?

- A. Acute angle
- B. Right angle
- C. Obtuse angle
- D. Reflex angle (B)

Explanation: Two perpendicular lines form a right angle, which measures 90° .

8. What is the number of acute angles in the figure below?

- A. 2
- B. 4
- C. 6
- D. 8 (A)

Explanation: The acute angles are less than 90° .

The exact number of acute angles can be counted in the diagram.

9. If two lines are parallel and are intersected by a transversal, what kind of angles are formed?

- A. Alternate interior angles
- B. Complementary angles
- C. Acute angles
- D. Reflex angles (A)

Explanation: When two parallel lines are intersected by a transversal, alternate interior angles are formed and they are equal.

10. The next figure in the sequence of angles will form how many acute angles?

- A. 2
- B. 4
- C. 6
- D. 8 (B)

Explanation: The next figure follows a pattern, and the number of acute angles can be observed from the previous patterns.