

CHAPTER-2 | Lines and Angles

QUIZ PART-09

1. What is a right angle?

- A. An angle that is less than 90°
- B. An angle that is greater than 180°
- C. An angle that measures exactly 90°
- D. An angle that measures 45° (C)

Explanation: A right angle measures exactly 90° , forming a perfect L-shape.

2. When two lines intersect, the angle formed between them is called:

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

Explanation: When two lines intersect at a 90° angle, it forms a right angle.

3. In a right angle, which of the following is true?

- A. The angle is greater than 90°
- B. The angle is less than 90°
- C. The angle is exactly 90°
- D. The angle is greater than 180° (C)

Explanation: A right angle is exactly 90° , forming a straight angle between two perpendicular lines.

4. The angles formed by two intersecting lines are always:

- A. Acute
- B. Obtuse
- C. Right angles
- D. Complementary (C)

Explanation: The angles formed by two intersecting lines at the point of intersection are always right angles when the lines are perpendicular.

5. What is the measure of the angle formed by the hour and minute hands of a clock at 3:00?

- A. 0°
- B. 45°
- C. 90°
- D. 180° (C)

Explanation: At 3:00, the hour and minute hands form a right angle (90°).

6. If a line is folded along a crease, and another crease is made perpendicular to the first, how many right angles are formed?

- A. One
- B. Two
- C. Three
- D. Four (B)

Explanation: If two creases are perpendicular to each other, they form two right angles at the point where they meet.

7. A straight angle measures:

- A. 0°
- B. 45°
- C. 90°
- D. 180° (D)

Explanation: A straight angle is exactly 180° , forming a straight line.

8. In the following figure, the angle formed between two intersecting lines is 180° . This is an example of a:

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

Explanation: An angle of 180° is called a straight angle.

9. What happens when two lines intersect at a 90° angle?

- A. They form two obtuse angles
- B. They form two acute angles
- C. They form right angles
- D. They form reflex angles (C)

Explanation: When two lines intersect at 90° , they form right angles.

10. What is the term for an angle that measures exactly 90° ?

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

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