

CHAPTER-2 | Lines and Angles

QUIZ PART-20

1. Which of the following angles is an acute angle?

- A. 50°
- B. 120°
- C. 180°
- D. 90° (A)

Explanation: An acute angle is any angle that measures less than 90° . 50° is an acute angle.

2. Which of the following angles is an obtuse angle?

- A. 60°
- B. 100°
- C. 30°
- D. 90° (B)

Explanation: An obtuse angle is greater than 90° but less than 180° . 100° falls in this range.

3. What is the correct classification for a 120° angle?

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

Explanation: An obtuse angle measures more than 90° but less than 180° . A 120° angle fits this classification.

4. What type of angle is formed by two rays making a straight line?

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

Explanation: A straight angle is exactly 180° , formed when two rays make a straight line.

5. Which of the following represents a reflex angle?

- A. 45°
- B. 60°
- C. 200°
- D. 90° (C)

Explanation: A reflex angle is more than 180° but less than 360° . 200° fits this classification.

6. What is the measure of a right angle?

- A. 45°
- B. 90°
- C. 180°
- D. 120° (B)

Explanation: A right angle is always exactly 90° .

7. In the given figure, which angle is acute?

- A. Angle a
- B. Angle b
- C. Angle c
- D. Angle d (A)

Explanation: In the given figure, the angle "a" is less than 90° , making it an acute angle.

8. Which angle is classified as a reflex angle in the provided images?

- A. Angle a
- B. Angle b
- C. Angle c
- D. Angle d (D)

Explanation: Reflex angles are greater than 180° but less than 360° , and angle "d" fits this range.

9. How can you classify an angle that measures exactly 90° ?

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

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

10. Which shape should be drawn to create an angle with 40° on the sides and 60° in the middle?

- A. Letter 'A'
- B. Letter 'M'
- C. Letter 'Y'
- D. Letter 'Z' (B)

Explanation: The letter 'M' is designed such that the angles on the sides measure 40° each, with the middle angle measuring 60° .