

## CHAPTER-2 | Lines and Angles

### QUIZ PART-19

1. What is the measure of an acute angle?  
 A. Less than  $90^\circ$   
 B. Exactly  $90^\circ$   
 C. More than  $90^\circ$  but less than  $180^\circ$   
 D. More than  $180^\circ$  (A)

**Explanation:** An acute angle is an angle that measures less than  $90^\circ$ .

2. What is the measure of a right angle?  
 A. Less than  $90^\circ$   
 B. Exactly  $90^\circ$   
 C. More than  $90^\circ$  but less than  $180^\circ$   
 D.  $360^\circ$  (B)

**Explanation:** A right angle measures exactly  $90^\circ$ .

3. What is the range of an obtuse angle?  
 A. Less than  $90^\circ$   
 B. Exactly  $90^\circ$   
 C. More than  $90^\circ$  but less than  $180^\circ$   
 D. More than  $180^\circ$  but less than  $360^\circ$  (C)

**Explanation:** An obtuse angle is more than  $90^\circ$  but less than  $180^\circ$ .

4. What is the measure of a straight angle?  
 A.  $90^\circ$   
 B.  $180^\circ$   
 C.  $360^\circ$   
 D. More than  $180^\circ$  (B)

**Explanation:** A straight angle measures exactly  $180^\circ$ , forming a straight line.

5. What is the range of a reflex angle?  
 A. Less than  $90^\circ$   
 B. More than  $90^\circ$  but less than  $180^\circ$   
 C. More than  $180^\circ$  but less than  $360^\circ$   
 D. Exactly  $360^\circ$  (C)

**Explanation:** A reflex angle is greater than  $180^\circ$  but less than  $360^\circ$ .

6. How can you classify an angle that measures  $45^\circ$ ?  
 A. Acute angle  
 B. Right angle  
 C. Obtuse angle  
 D. Reflex angle (A)

**Explanation:** An angle measuring  $45^\circ$  is classified as an acute angle because it is less than  $90^\circ$ .

7. What is the measure of an obtuse angle in the given figure?  
 A.  $30^\circ$  B.  $120^\circ$   
 C.  $180^\circ$  D.  $360^\circ$  (B)

**Explanation:** An obtuse angle is more than  $90^\circ$  but less than  $180^\circ$ . The angle shown here is  $120^\circ$ .

8. In the given figure, which angle is reflex?  
 A.  $45^\circ$  B.  $120^\circ$   
 C.  $240^\circ$  D.  $180^\circ$  (C)

**Explanation:** A reflex angle is greater than  $180^\circ$  but less than  $360^\circ$ . The angle of  $240^\circ$  is reflex.

9. What is the type of angle formed by two rays that make a straight line?  
 A. Acute angle  
 B. Right angle  
 C. Straight angle  
 D. Reflex angle (C)

**Explanation:** When two rays form a straight line, the angle between them is a straight angle, which measures  $180^\circ$ .

10. How can angles be classified based on their measure?  
 A. Acute, Right, Obtuse  
 B. Acute, Right, Reflex  
 C. Acute, Reflex, Straight  
 D. Acute, Right, Obtuse, Straight, Reflex (D)

**Explanation:** Angles can be classified as acute, right, obtuse, straight, or reflex based on their degree measure.