

## CHAPTER-8 | Playing with Construction

QUIZ  
PART-07

1. In a rectangle, the corner points are called:

- A. sides
- B. corners
- C. angles only
- D. diagonals (B)

**Explanation:** The chapter says points like A, B, C, and D are the corners of the rectangle.

2. In rectangle ABCD, which are its sides?

- A. AC, BD, AB, CD
- B. AB, BC, CD, DA
- C. AB, AC, BD, CD
- D. BC, BD, DA, AC (B)

**Explanation:** The sides of rectangle ABCD are AB, BC, CD, and DA.

3. In rectangle ABCD, AB and CD are called:

- A. adjacent sides
- B. equal angles
- C. opposite sides
- D. diagonals (C)

**Explanation:** AB and CD lie opposite each other, so they are opposite sides.

4. Which is the other pair of opposite sides in rectangle ABCD?

- A. AB and BC
- B. AD and BC
- C. AC and BD
- D. AB and DA (B)

**Explanation:** The chapter says AD and BC form the other pair of opposite sides.

5. Which of the following is NOT a valid name of rectangle ABCD?

- A. BCDA
- B. DABC
- C. ACBD
- D. CBAD (C)

**Explanation:** A valid name must follow the order of travel around the rectangle. ACBD does not follow that order.

6. In a rectangle, opposite sides are:

- A. always perpendicular
- B. equal in length
- C. curved
- D. unequal (B)

**Explanation:** One property of a rectangle is that opposite sides are equal in length.

7. All angles of a rectangle are:

- A.  $45^\circ$
- B.  $60^\circ$
- C.  $90^\circ$
- D.  $120^\circ$  (C)

**Explanation:** Every angle in a rectangle is a right angle, that is  $90^\circ$ .

8. Which property is true for a square?

- A. Only opposite sides are equal
- B. All sides are equal
- C. Only two angles are  $90^\circ$
- D. All sides are unequal (B)

**Explanation:** A square has all sides equal and all angles equal to  $90^\circ$ .

9. Rotating a square changes:

- A. its side lengths
- B. its angles
- C. both lengths and angles
- D. neither lengths nor angles (D)

**Explanation:** Rotation does not change the lengths or the angles of a square.

10. In the assessment figure with letters H, T, A, M around the rectangle, which is a valid name?

- A. MTAH
- B. AHTM
- C. MATH
- D. TMAH (C)

**Explanation:** A valid name must follow the order around the boundary. MATH follows the rectangle in order.