

CHAPTER-4 | Quadrilaterals

QUIZ
PART-04

1. A rectangle is a quadrilateral whose diagonals are:

- A. Equal and bisect each other
- B. Unequal
- C. Curved
- D. Parallel only (A)

Explanation : Rectangle diagonals are equal and divide each other into two equal parts.

2. All angles of a rectangle are:

- A. 60°
- B. 90°
- C. 120°
- D. 180° (B)

Explanation: Every angle of a rectangle is a right angle.

3. Opposite sides of a rectangle are:

- A. Equal
- B. Unequal
- C. Curved
- D. Zero (A)

Explanation: A rectangle has equal opposite sides.

4. Opposite sides of a rectangle are also:

- A. Perpendicular
- B. Parallel
- C. Diagonal
- D. Intersecting (B)

Explanation: Opposite sides of a rectangle never meet, so they are parallel.

5. Diagonals of a rectangle:

- A. Bisect each other
- B. Never meet
- C. Are sides
- D. Are angles (A)

Explanation : The diagonals meet at their midpoints.

6. A quadrilateral with all angles 90° is a:

- A. Triangle
- B. Rectangle
- C. Circle
- D. Pentagon (B)

Explanation : If all four angles are 90° , the quadrilateral is a rectangle.

7. In rectangle ABCD, diagonal BD divides it into:

- A. Two triangles
- B. Two circles
- C. Three triangles
- D. Four rectangles (A)

Explanation : A diagonal joins opposite vertices and forms two triangles.

8. Are opposite sides of a rectangle parallel?

- A. Yes
- B. No
- C. Sometimes
- D. Cannot say (A)

Explanation : Opposite sides of every rectangle are parallel.

9. In the given rectangle, $\angle 1$ and $\angle 2$ are:

- A. Equal
- B. Unequal
- C. 180° each
- D. 0° each (A)

Explanation : They are corresponding equal angles formed by the diagonal.

10. Which is NOT a property of a rectangle?

- A. All angles are 90°
- B. Opposite sides are equal
- C. Diagonals are equal
- D. All sides must be unequal (D)

Explanation : A rectangle has equal opposite sides, not all sides unequal.