

CHAPTER-4 | Quadrilaterals

QUIZ
PART-05

1. A square is a special type of:

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

Explanation : Every square is a rectangle with all sides equal.

2. In a square, all angles are:

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

Explanation: A square has four right angles.

3. In a square, all sides are of:

- A. Half length
 - B. Equal length
 - C. Double length
 - D. Unequal length
- (B)

Explanation: All sides of a square are equal.

4. Every square is a:

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

Explanation: A square satisfies all properties of a rectangle.

5. All rectangles are squares:

- A. True
 - B. False
 - C. Sometimes
 - D. Cannot say
- (B)

Explanation : Rectangles need not have all sides equal.

6. To form a square using wooden strips as diagonals, the strips must be:

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

Explanation : A square's diagonals are equal and bisect each other.

7. For a square, the angle between the diagonals should be:

- A. 45°
 - B. 60°
 - C. 90°
 - D. 120°
- (C)

Explanation : Diagonals of a square are perpendicular.

8. A square is a quadrilateral with:

- A. All angles 90° and all sides equal
 - B. Only opposite sides equal
 - C. No right angles
 - D. Three sides
- (A)

Explanation : This is the definition of a square.

9. The Venn diagram shows square set inside:

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

Explanation : Since every square is a rectangle, square lies inside rectangle set.

10. If a square has diagonal 8 cm, each half-diagonal is:

- A. 2 cm
 - B. 4 cm
 - C. 8 cm
 - D. 16 cm
- (B)

Explanation : Diagonals bisect each other, so half of 8 cm is 4 cm.