



Class 9 Mathematics | Quadrilaterals

MCQ WORKSHEET • 15 questions • Choose one correct option • Suggested time: 25 minutes

1. The sum of interior angles of a quadrilateral is:

- A. 540° B. 180° C. 270° D. 360°

2. Three angles of a quadrilateral are 75° , 85° , 110° . The fourth is:

- A. 90° B. 100° C. 110° D. 80°

3. Opposite sides of a parallelogram are:

- A. always curved
B. equal and parallel
C. always unequal
D. equal and perpendicular

4. One angle of a parallelogram is 65° . An adjacent angle is:

- A. 25° B. 65° C. 125° D. 115°

5. Diagonals of a parallelogram:

- A. are always perpendicular
B. bisect every angle
C. bisect each other
D. are always equal

6. A parallelogram has equal diagonals. It must be a:

- A. triangle B. non-square rhombus
C. rectangle D. kite only

7. A parallelogram has perpendicular diagonals. It must be a:

- A. rhombus
B. trapezium with unequal legs
C. triangle
D. rectangle only

8. Which shape always has equal perpendicular diagonals?

- A. Rhombus B. Square
C. Parallelogram D. Rectangle

9. In parallelogram ABCD, diagonals meet at O. If $AC=18$ cm, AO is:

- A. 6 cm B. 36 cm C. 18 cm D. 9 cm

10. The line joining midpoints of two sides of a triangle is:

- A. equal to its third side
B. parallel to its third side
C. perpendicular to its third side
D. a diagonal of the triangle

11. In triangle ABC, D and E are midpoints of AB and AC. If $BC=14$ cm, DE is:

- A. 3.5 cm B. 7 cm C. 28 cm D. 14 cm

12. A quadrilateral has both pairs of opposite sides equal. It is a:

- A. cyclic quadrilateral necessarily
B. parallelogram
C. trapezium only
D. kite only

13. Each angle of a rectangle is:

- A. 180° B. 60° C. 120° D. 90°

14. A rhombus has side 8 cm. Its perimeter is:

- A. 64 cm B. 16 cm C. 32 cm D. 24 cm

15. A diagonal divides a parallelogram into two triangles that are:

- A. always right-angled B. always equilateral
C. congruent D. unequal in area

ANSWER KEY — check after completing all 15 questions

1.D 2.A 3.B 4.D 5.C 6.C 7.A 8.B 9.D 10.B 11.B 12.B 13.D 14.C 15.C