

Quadrilaterals

1. The sum of the angles of a quadrilateral is _____.

Ans. 360°

2. If the diagonals of a quadrilateral bisect each other at right angles, it will be a _____.

Ans. Square/ Rhombus

3. Two adjacent angles of a parallelogram are in the ratio 4:5. Find their measures.

Ans. 80 & 100

4. The angles of a quadrilateral ABCD taken in an order are in the ratio **3 : 7 : 6 : 4**. Then ABCD is a _____.

Ans. Trapezium

5. The number of diagonals in a polygon of n sides is _____.

Ans. $\frac{n(n-3)}{2}$

6. In a square ABCD, the diagonals meet at point O . The $\angle AOB$ is

Ans. 90°

7. ABCD is a quadrilateral in which $AB = 5$ cm, $CD = 8$ cm and the sum of angle A and angle D is 180° . What is the name of this quadrilateral?

Ans. Trapezium

8. Shyam has a farm land which is triangular in shape. What is the sum of all the exterior angles taken in an order of the farm land?

Ans. 360°

9. How many sides does an octagon & decagon have?

Ans. 8 & 10

10. The diagonals of a rhombus bisect each other at _____ angles.

Ans. right

11. For constructing a unique quadrilateral at least _____ measurements are required.

Ans. five

12. For getting diagonals through vertex A of a pentagon ABCDE, A is joined to _____.

Ans. C & D

13. The diagonals of a _____ intersect at right angles.

Ans. square/ rhombus/ kite

14. Every rectangle is a parallelogram.

Ans. True.

15. Every rhombus is a kite.

Ans. True.

16. Every parallelogram is a trapezium.

Ans. True.

17. Every kite is a trapezium.

Ans. False.

18. Every kite is a parallelogram.

Ans. False.

19. Diagonals of a rectangle are perpendicular to each other.

Ans. False.

20. For constructing a unique parallelogram lengths of only two sides should be given.

Ans. False.
