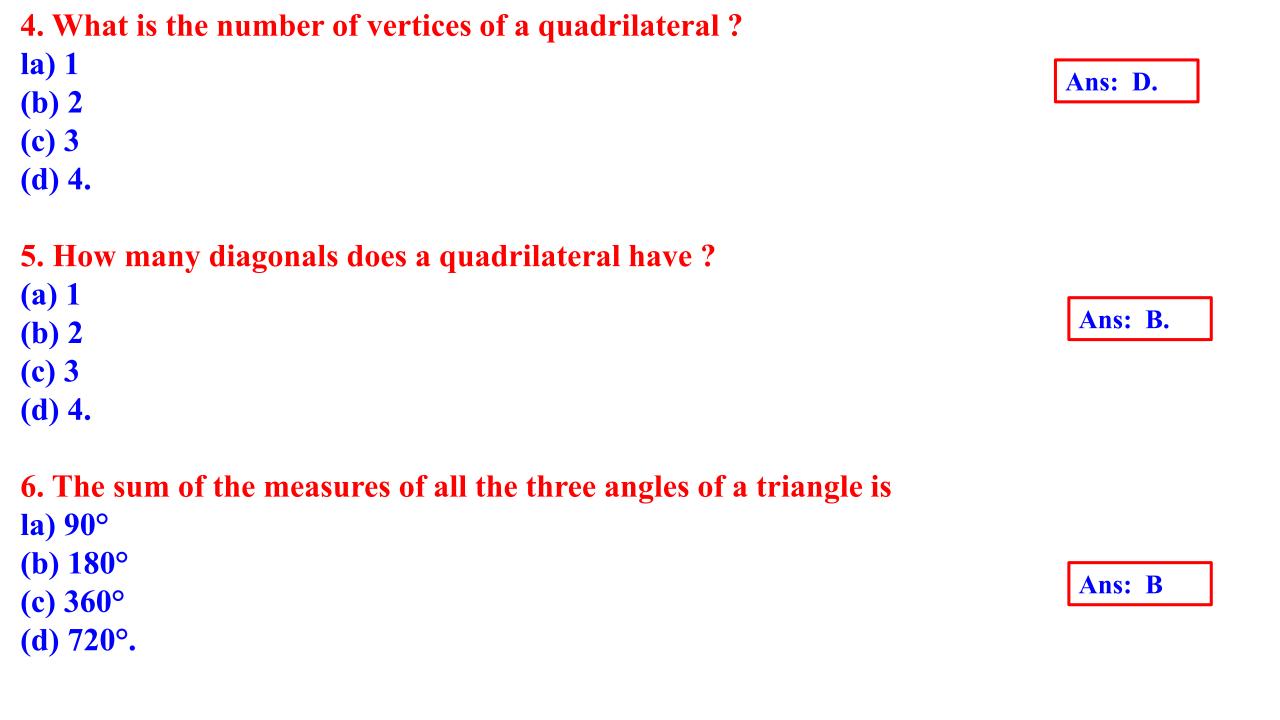# MCQ FOR CLASS 8

MATHS

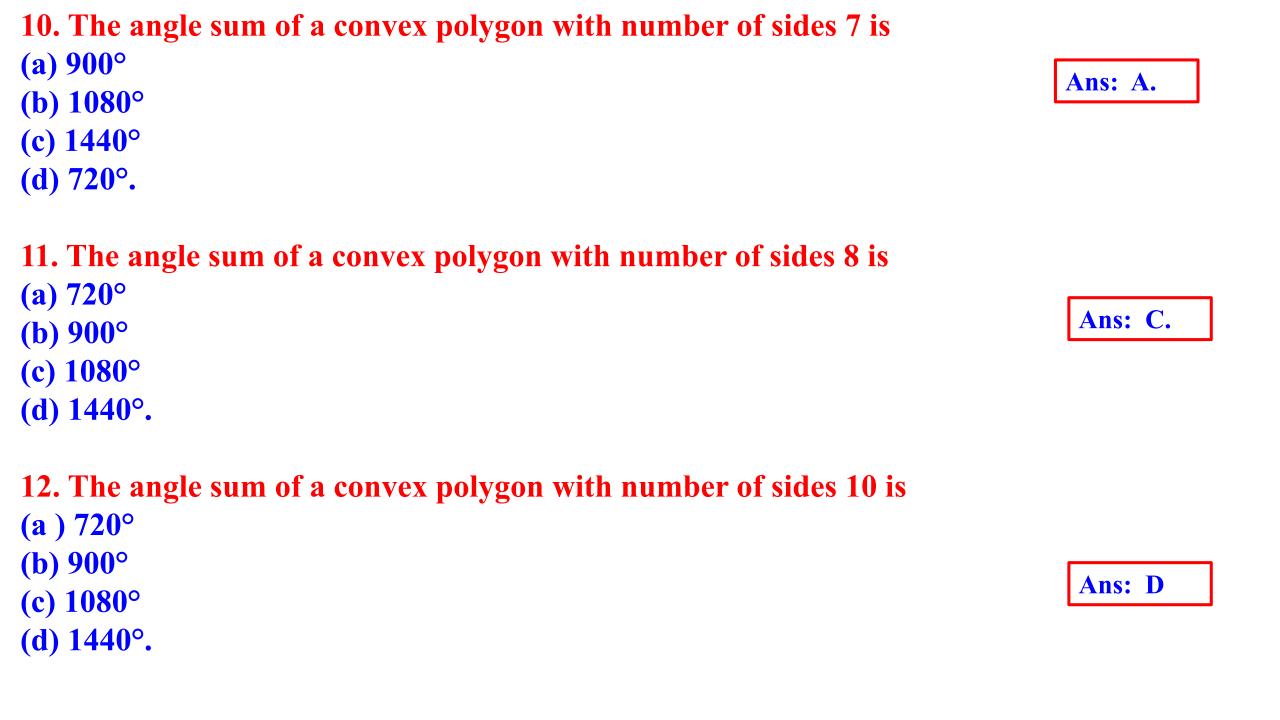# UNDERSTANDING QUADRILATERALS

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1. What is the number of sides of a triangle ?

(a) 1

(b) 2

Ans: C.

(c) 3

(d) 4.

2. What is the number of vertices of a triangle ?

(a) 1

(b) 2

Ans: C.

(c) 3

(d) 4.

3. What is the number of sides of a quadrilateral ?

(a) 1

(b) 2

(c) 3

Ans: D

(d) 4.

4. What is the number of vertices of a quadrilateral ?

la) 1

(b) 2

(c) 3

(d) 4.

Ans: D.

5. How many diagonals does a quadrilateral have ?

(a) 1

(b) 2

(c) 3

(d) 4.

Ans: B.

6. The sum of the measures of all the three angles of a triangle is

la) 90°

(b) 180°

(c) 360°

(d) 720°.

Ans: B

7. The sum of the measures of all the four angles of a quadrilateral is

(a) 90°

(b) 180°

(c) 360°

(d) 720°.

Ans: C.

8. How many diagonals does a triangle have ?

(a) 0

(b) 1

(c) 2

(d) 4.

Ans: A.

9. How many diagonals does a regular hexagon have ?

(a) 2

(b) 0

(c) 4

(d) 9

Ans: D

10. The angle sum of a convex polygon with number of sides 7 is
(a) 900°
(b) 1080°
(c) 1440°
(d) 720°.

Ans: A.

11. The angle sum of a convex polygon with number of sides 8 is
(a) 720°
(b) 900°
(c) 1080°
(d) 1440°.

Ans: C.

12. The angle sum of a convex polygon with number of sides 10 is
(a) 720°
(b) 900°
(c) 1080°
(d) 1440°.

Ans: D

13. The angle sum of a convex polygon with number of sides n is
(a) (n – 2) 180°
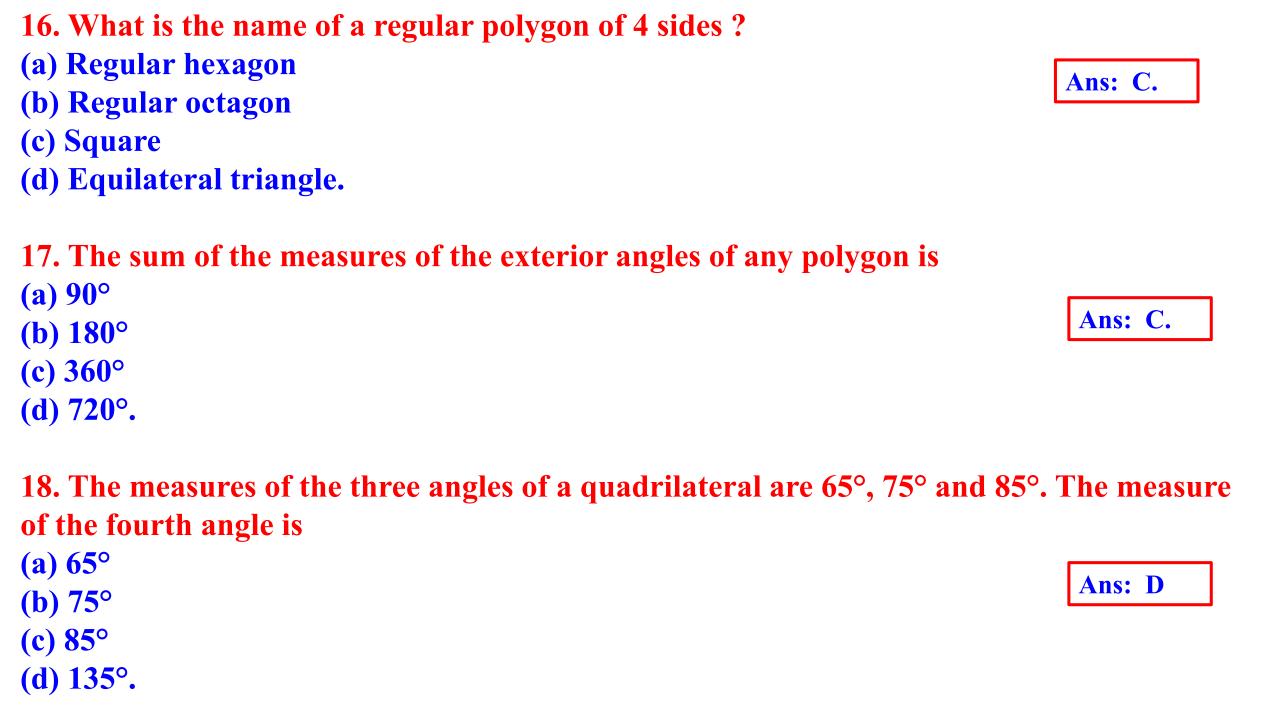(b) (n + 2) 180°
(c) (2n – 4) 180°
(d) (2n + 4) 180°.

Ans: A.

14. What is the name of a regular polygon of 3 sides ?
(a) Equilateral triangle
(b) Square
(c) Regular hexagon
(d) Regular octagon.

Ans: A.

15. What is the name of a regular polygon of 6 sides ?
(a) Square
(b) Equilateral triangle
(c) Regular hexagon
(d) Regular octagon.

Ans: C

16. What is the name of a regular polygon of 4 sides ?
(a) Regular hexagon
(b) Regular octagon
(c) Square
(d) Equilateral triangle.

Ans: C.

17. The sum of the measures of the exterior angles of any polygon is
(a) 90°
(b) 180°
(c) 360°
(d) 720°.

Ans: C.

18. The measures of the three angles of a quadrilateral are 65°, 75° and 85°. The measure of the fourth angle is
(a) 65°
(b) 75°
(c) 85°
(d) 135°.

Ans: D

19. The measures of each of the four angles of a quadrilateral are equal. Find the measure of each angle.

Ans: D.

(a) 45°

(b) 30°

(c) 60°

(d) 90°.

20. Out of the three equal angles of a quadrilateral, each measures 70°. The measure of the fourth angle is

(a) 90°

(b) 140°

Ans: C.

(c) 150°

(d) 70°.

21. Two adjacent angles of a quadrilateral measure 130° and 40°. The sum of the remaining two angles is

(a) 190°

(b) 180°

Ans: A

(c) 360°

(d) 90°.

31. Which of the following statement is false ?

(a) A square is a rectangle whose adjacent sides are equal

(b) A square is a rhombus whose one angle is a right angle

(c) The diagonals of a square bisect each other at right angles

(d) The diagonals of a square do not divide the whole square into four equal parts.

Ans: D.

32. Which of the following statement is true ?

(a) All the rectangles are squares

(b) All the parallelograms are rhombuses

(c) All the squares are rhombuses

(d) Each parallelogram is a trapezium.

Ans: C.

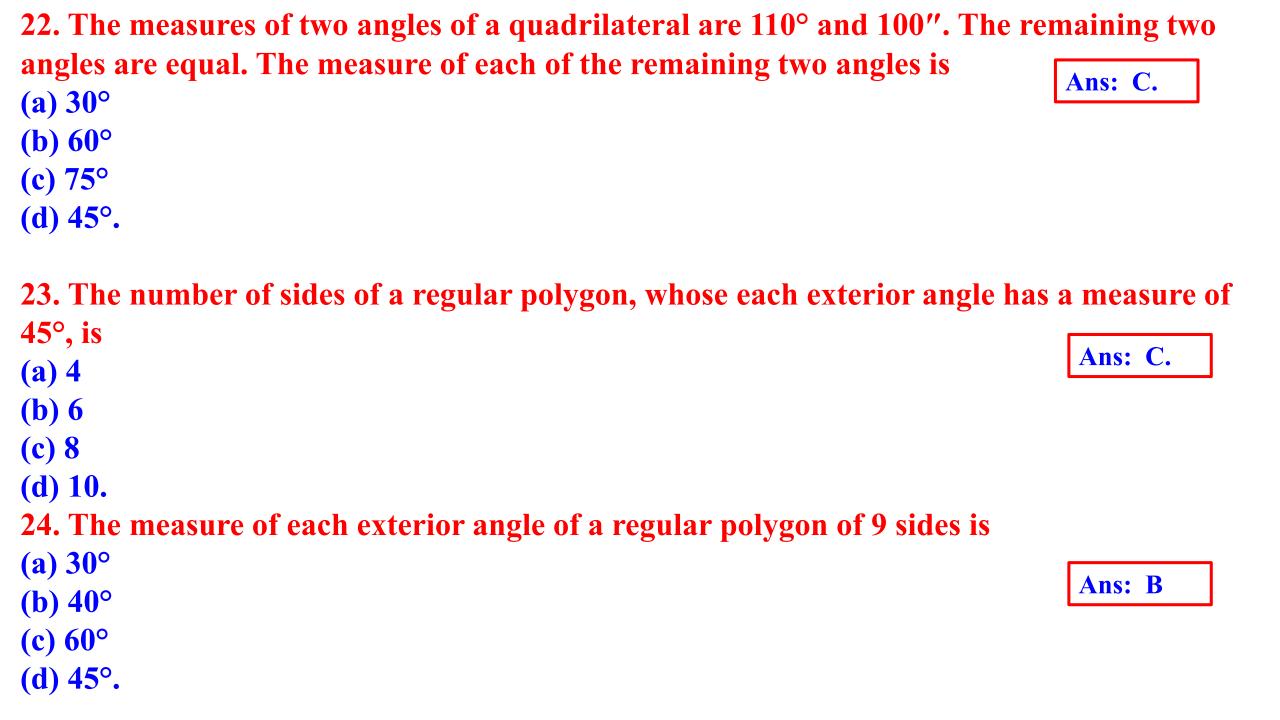**33. One angle of a parallelogram is a right angle. The name of the quadrilateral is**

(a) square

(b) rectangle

(c) rhombus

(d) kite.

Ans: B

22. The measures of two angles of a quadrilateral are 110° and 100″. The remaining two angles are equal. The measure of each of the remaining two angles is

Ans: C.

(a) 30°

(b) 60°

(c) 75°

(d) 45°.

23. The number of sides of a regular polygon, whose each exterior angle has a measure of 45°, is

Ans: C.

(a) 4

(b) 6

(c) 8

(d) 10.

24. The measure of each exterior angle of a regular polygon of 9 sides is

(a) 30°

Ans: B

(b) 40°

(c) 60°

(d) 45°.

25. The measure of each exterior angle of a regular polygon of 15 sides is
(a) 30°
(b) 45°
(c) 60°
(d) 24°.

Ans: D.

26. How many sides does a regular polygon have if the measure of an exterior angle is 24° ?
(a) 6
(b) 9
(c) 15
(d) 12.

Ans: C.

27. How many sides does a-regular polygon have if each of its interior angles is 165° ?
(a) 12
(b) 24
(c) 9
(d) 6.

Ans: B

28. The four angles of a pentagon are 40°, 75°, 125° and 135°. The measure of the fifth angle is

Ans: A.

(a) 165°
(b) 170°
(c) 160°
(d) 175°.

29. The sum of the internal angles of a polygon is 10 right angles. Then the number of sides is

Ans: C.

(a) 5
(b) 6
(c) 7
(d) 8.

30. Which of the following statements is false ?

Ans: D

(a) All the angles of a rectangle are equal
(b) No angle of a rectangle can be obtuse
(c) The diagonals of a rectangle bisect each other
(d) The opposite sides of a rectangle are not equal

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THANKS FOR WATCHING

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