St. Andrews Scots Sr. Sec. School

9th Avenue, I.P. Extension, Patparganj, Delhi – 110092

Session: 2025-2026 - Worksheet

Class: VIII	Subject: Mathematics	Topic: Under.Quadrilaterals	Worksheet No: 14

NOTE: MULTIPLE CHOICE QUESTIONS.

Q1: 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°.

Q2: The sum of the measures of the exterior angles of any polygon is
(a) 90°
(b) 180°
(c) 360°
(d) 720°.

Q3: The number of sides of a regular polygon, whose each exterior angle has a measure of 45°, is
(a) 4
(b) 6
(c) 8
(d) 10.

Q4: The measure of each exterior angle of a regular polygon of 15 sides is
(a) 30°
(b) 45°
(c) 60°
(d) 24°.

Q5: 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.

Q6: Which of the following statement is false?

(a) All the rectangles are parallelograms
(b) All the squares are rectangles
(c) All the parallelograms are rectangles
(d) All the rhombuses are parallelograms.

Q7: One angle of a parallelogram is a right angle. The name of the quadrilateral is

(a) Trapezium
(b) rectangle
(c) rhombus
(d) kite.

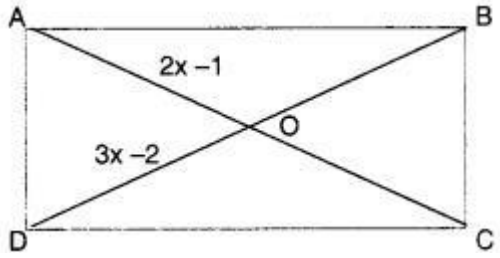
Q8: If all the four sides of a parallelogram are equal and the adjacent angles are of 120° and 60°, then the name of the quadrilateral is

(a) rectangle
(b) square
(c) rhombus
(d) kite.

Q9: In a parallelogram $\angle A : \angle B = 1 : 2$. Then, $\angle A =$

(a) 30°
(b) 60°
(c) 45°
(d) 90°.

Q10: ABCD is a rectangle. Its diagonals meet at O.



OA = 2x – 1, OD = 3x – 2. Find x

(a) 1
(b) 2
(c) 3
(d) 5

What is the appropriate condition to construct a quadrilateral?

A. When four sides and one diagonal are given

B. When three sides and one diagonal are given

C. When two sides and one diagonal are given

D. None of the above