INDIAN SCHOOL NIZWA - WORKSHEET

Chapter 4 Quadrilaterals

Name: **Class :VIII Sec:**

Multiple choice questions

1. Which of the following quadrilaterals has two pairs of adjacent sides equal and diagonals intersecting at right angles?
   A. square B. rhombus C. kite D. rectangle.
2. Which of the following quadrilaterals does not have a pair of opposite sides parallel?
   A. square B. rhombus C. kite D. rectangle.
3. Which of the following quadrilaterals is a regular quadrilateral?
   A. square B. rhombus C. kite D. rectangle.
4. Which of the quadrilaterals has all angles as right angles, opposite sides equal and diagonals bisecting each other?
   A. square B. rhombus C. rectangle. D. none of these
5. Which of the parallelograms has all sides equal, diagonals equal and bisecting each other at right angles?
   A. square B. rhombus C. rectangle D. none of these
6. In an isosceles trapezium, we have
   A. Pair of parallel sides as equal B. Pair of non parallel sides as equal
   C. Pair of non parallel sides as perpendicular D. none of these
7. Which of the following is true about the adjacent angles of a parallelogram?
   A. They are equal to each other B. They are complementary angles
   C. They are supplementary angles D. none of these
8. The sides of a hexagon are produced in order. Which of the following is the sum of its exterior angles?
   A. 540^o B. 180^o C. 720^o D. 360^o
9. Diagonals of which of the following quadrilaterals do not bisect it into two congruent triangles?
   A. square B. rhombus C. trapezium D. rectangle
10. Which of the following quadrilaterals has diagonals that are equal but not necessarily perpendicular?
    A. Rhombus B. Rectangle C. Kite D. Parallelogram
11. Which quadrilateral has all sides equal, all angles equal, and diagonals equal in length?
    A. Rhombus B. Square C. Kite D. Rectangle
12. The diagonals of a kite are such that:
    A. They are equal and bisect each other
    B. They are unequal and one bisects the other at right angles
    C. They are unequal and do not bisect each other
    D. They are equal and perpendicular
13. In an isosceles trapezium, if each base angle is 70°, the other pair of angles is _____ each.
    A. 70° B. 110° C. 100° D. 90°
14. In an isosceles trapezium ABCD with AB‖ CD, if $\angle A = 65^o$, then $\angle B$=?
    A. 65^o B.115^o C.180^o D. 75^o
15. In an isosceles trapezium ABCD with AB‖ CD, if $\angle A = 70^o$, then $\angle B + \angle C$=
    A. 110° B. 180° C. 250° D. 220°