



INDIAN SCHOOL NIZWA - WORKSHEET

MATHEMATICS

CH: 3 Understanding Quadrilaterals

Name: _____ Date: _____ Class: VIII Sec: ____

1. One angle of a quadrilateral is 108° and the remaining three angles are equal. Find the three equal angles.
2. What is the measure of each angle of a regular hexagon?
3. The interior angle of a regular polygon is 156° . Find the number of sides of a polygon.
4. The four angles of a quadrilateral are in the ratio 3:5:7:9. Find the angles.
5. Determine the number of sides of a polygon whose exterior and interior angles are in the ratio 1:5.
6. How many sides does a regular polygon have if the measure of an exterior angle is 24° ?
7. The measures of two adjacent angles of a parallelogram are in the ratio 3:2. Find the measures of each of the angles of the parallelogram.
8. The perimeter of a rhombus is 60 cm and one diagonal measure 18 cm. Find the length of the other diagonal.
9. Write the properties of :
 - a) Rhombus
 - b) Kite
 - c) Square.
10. The sides of a pentagon are produced in order and the exterior angles so obtained are of measure x° , $(2x)^\circ$, $(3x + 10)^\circ$, $(4x + 5)^\circ$ and $(5x)^\circ$. Find the value of “ x ” and also find the measure of each exterior angle of a pentagon.