

Worksheet 1
Module 1/4
Understanding Quadrilaterals

Q.1. Fill in the blanks

1. A quadrilateral has -----diagonals.
2. The sum of the angles of a quadrilateral is -----.
3. The sum of the angles of a quadrilateral is ----- right angles.
4. The number of sides and the number of diagonals is same in a --.
5. The regular polygon having 4 sides is called a -----.

Q.2. The angles of a quadrilateral are in the ratio 3:5:7:9. Find the angles of the quadrilateral.

Q.3. Three angles of a quadrilateral are equal. Fourth angle is of measure 150° . What is the measure of each of the equal angles ?

Q.4. Three angles of a quadrilateral are 110° , 50° and 40° . Find the measure of its fourth angle.

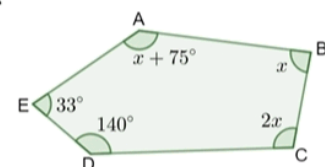
Q.5. If the sum of two angles of a quadrilateral is 180° , what is the sum of remaining two angles?

Q.6. How many sides has a regular polygon, each angle of which is of measure 108° ?

Q.7. The interior angle of a regular polygon is 156° . Find the number of sides of the polygon.

Q.8. What is the measure of each angle of a regular hexagon ?

Q.9. Find 'x' in the figure shown aside.



3

Q.10. Find 'x' in the following figures.

