

St. Andrews Scots Sr. Sec. School

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Session:2026-27

Worksheet

Class: VIII	Subject: Mathematics	Topic: Quadrilateral	Worksheet 13
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Solve these: -

Question 1.

A quadrilateral has three acute angles, each measure 80° . What is the measure of the fourth angle?

Question 2.

In a quadrilateral ABCD, the measure of the three angles A, B and C of the quadrilateral is 110° , 70° and 80° , respectively. Find the measure of the fourth angle.

Question 3

In a quadrilateral ABCD, $\angle D$ is equal to 150° and $\angle A = \angle B = \angle C$. Find $\angle A$, $\angle B$ and $\angle C$.

Question 4.

The angles of a quadrilateral are in the ratio of 1 : 2 : 3 : 4. What is the measure of the four angles?

Question 5.

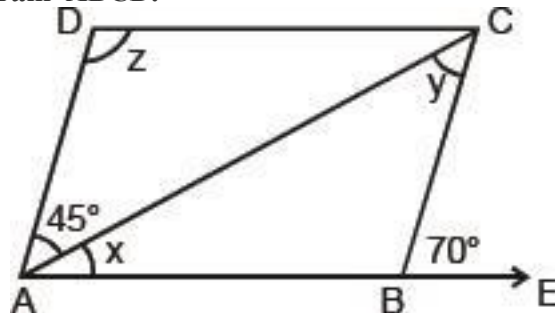
The opposite angles of a parallelogram are $(3x + 5)^\circ$ and $(61 - x)^\circ$. Find the measure of four angles

Question 6.

Find the sum of all internal angle of a pentagon that is regular.

Question 7

Find x, y, z in the given parallelogram ABCD.



Question 8.

Lengths of adjacent sides of a parallelogram is 3 cm and 4 cm. Find its perimeter.

Question 9.

One angle of a parallelogram is of measure 70° . Find the measures of the remaining angles of the parallelogram.

Question 10.

The adjacent figure HOPE is a parallelogram. Find the angle measure x , y and z .
State the properties you use to find them.

