

Watch the video below and fill in the blanks based on your understanding.

**Triangles are polygons.**

Triangles are special polygons that have \_\_\_ sides and \_\_\_ angles.

**Triangle classification.**

There are \_\_\_ different ways to classify triangles.

Triangles can be classified based on their \_\_\_\_\_ and their \_\_\_\_\_.

**Classifying triangles based on the length of their angles.**

A triangle that has one right angle is called \_\_\_\_\_ triangle

A triangle that has one obtuse angle is called \_\_\_\_\_ triangle.

All triangles have at least \_\_\_ acute angles.

A triangle that has all its angles acute angles is called \_\_\_\_\_ triangle.

To determine the type of triangle based on angles, we must have a look at \_\_\_\_\_ angles of the triangle.

**Classifying triangles based on the length of their sides.**

An equilateral triangle has all sides equal, so it has \_\_\_ equal sides.

An isosceles triangle has only \_\_\_ sides equal.

A scalene triangle has the length of all its sides \_\_\_\_\_.