ALL ABOUT TRIANGLES

A triangle is a shape that has three sides and three angles, the three angles always add up to 180°. There are three different types of triangles, Equilateral, Isosceles and Scalene, you can tell what type of triangle it is by how many equal sides and angles it has. An Equilateral triangle has three equal length side and three equal angles, all 60°. An Isosceles triangle has two equal length sides and and two equal angles. A Scalene Triangle has no equal sides or angles.
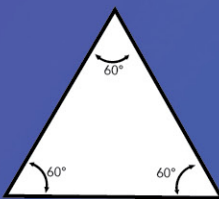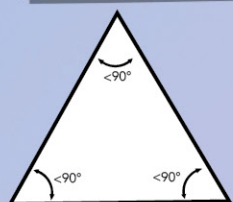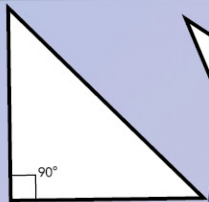
Equilateral Triangle (60°, 60°, 60°)
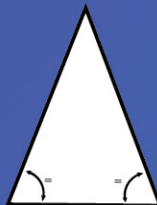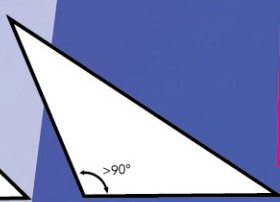
Isosceles Triangle
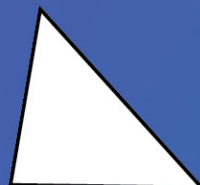
Scalene Triangle

Triangles can also be identified by the types of angles they have. All three corners of an Acute triangle are less than 90° each. A Right angle triangle has one corner that is exactly 90°, the other two corners will add up to 90°. An Obtuse has one angle that is more than 90°.

Acute Angle (<90°, <90°, <90°)

Right Angle (90°)

Obtuse Angle (>90°)

MATHS PYRAMIDS

Each triangle is made by adding the two numbers below. Fill in the missing numbers.

Pyramid 1: top row 5, 3; bottom row 3, 2, 1

Pyramid 2: top row 4, ; bottom row 1, 3, 2

Pyramid 3: bottom row 4, 5, 2

Pyramid 4: bottom row 2, 3, 6

Pyramid 5: bottom row 4, 3, 5

Pyramid 6: bottom row 7, 3, 6

SHAPE–DOKU

Fill in the missing shapes, each shape can only appear once in each row, column and box.