

Thursday 16th April
WALT: identify the properties of Triangles

Label each of these triangles: isosceles, scalene or equilateral.

Are any of these triangles also right-angled?

Look at these triangles.
What is the same and what is different?

Using a ruler, draw:

- An isosceles triangle
- A scalene triangle

- Same
- 3 sides
 - 3 angles
- Different
- Different length sides
 - Different size angles
 - One is isosceles
 - One is equilateral

Here is a square.
Inside the square is an equilateral triangle.
The perimeter of the square is 60 cm.
Find the perimeter of the triangle.

The perimeter of the triangle is 45 cm.

Each side of the square is 15cm. So, The base of the triangle is also 15cm. As it is an equilateral triangle, all the sides are the same length.

$$15 + 15 + 15 = 45$$

Eva

If I use 6 straws to make a triangle, I can only make an equilateral triangle.

Investigate whether Eva is correct.

Draw two more sides to create:

- An equilateral triangle
- A scalene triangle
- An isosceles triangle

Which is the hardest to draw?

Eva is correct. 2, 2, 2 is the only possible construction. 1, 1, 4 and 1, 2, 3 are not possible.

Children will draw a range of triangles. Get them to use a ruler to check their answers. Equilateral will be difficult to draw accurately because the angle between the first two sides drawn, must be 60°