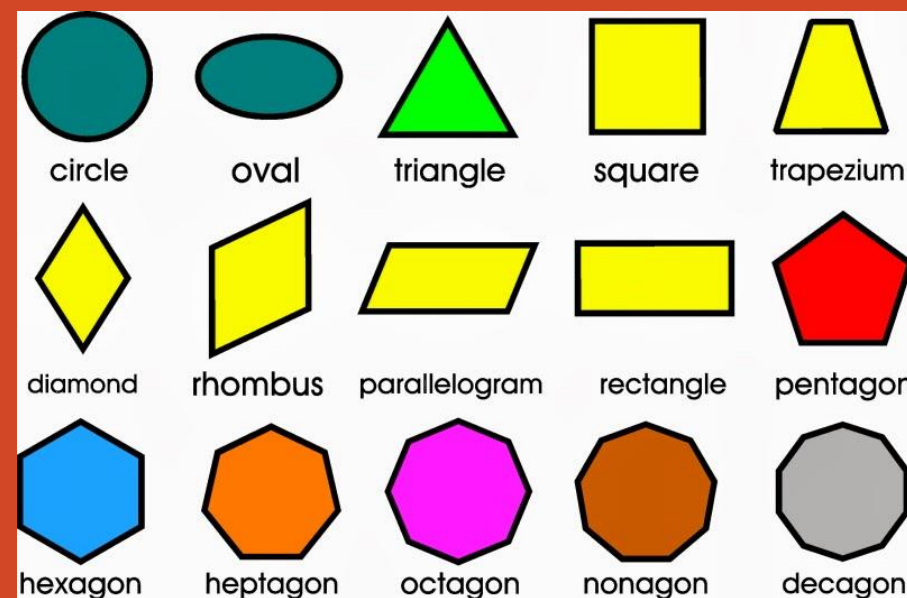
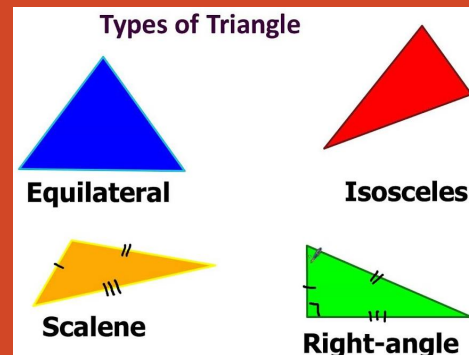




Year 5 Maths

Summer Term 1 Week 3 4.5.2020

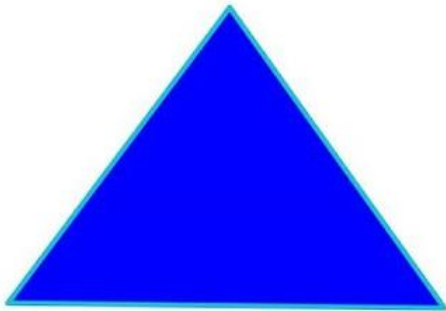
Recognising and Describing
2D Shapes



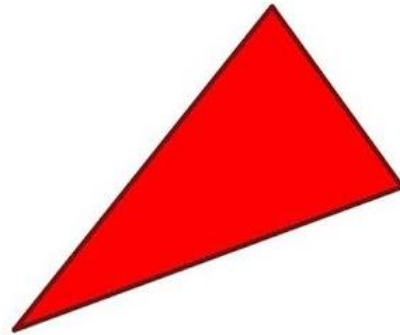
How can we classify triangles?



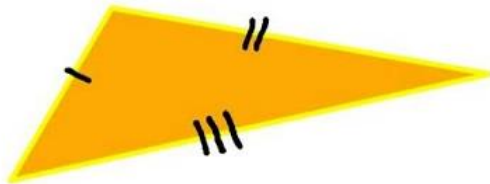
Types of Triangle



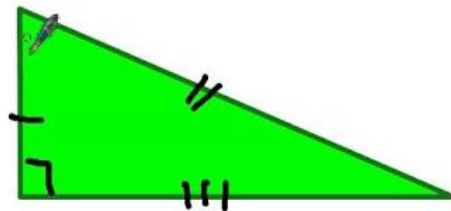
Equilateral



Isosceles



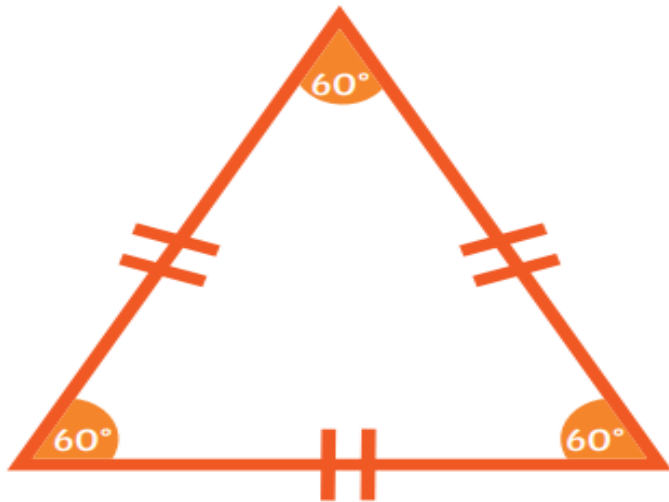
Scalene



Right-angle

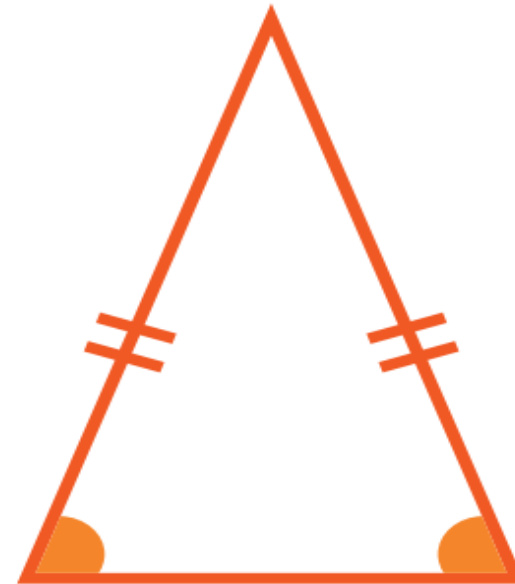


equilateral



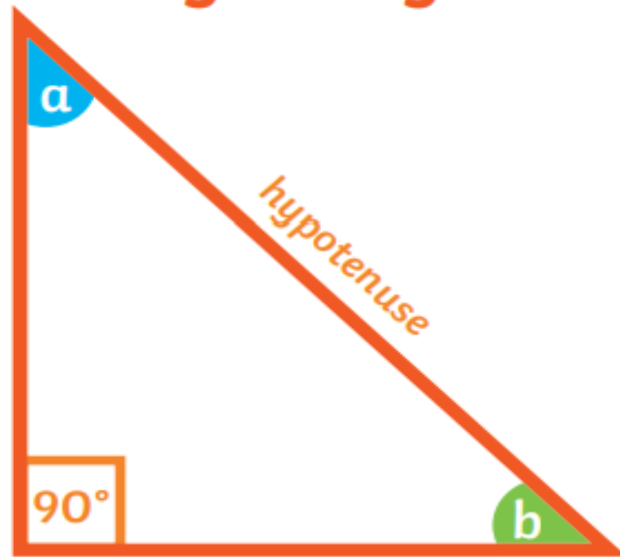
3 equal sides
3 equal angles (60°)

isosceles



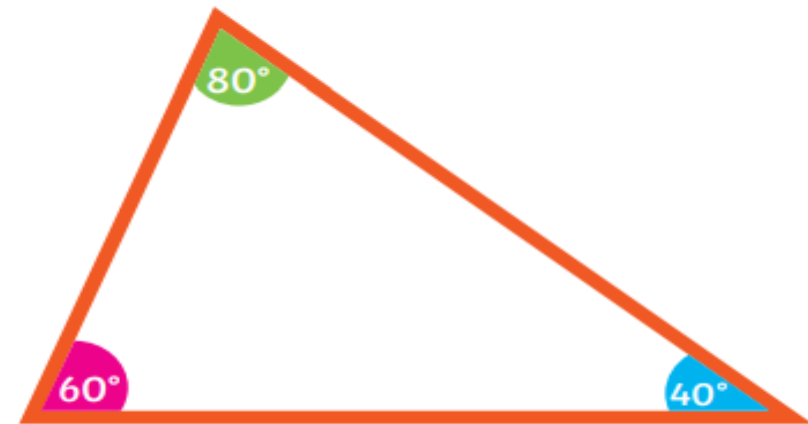
2 equal sides
2 equal angles

right angle



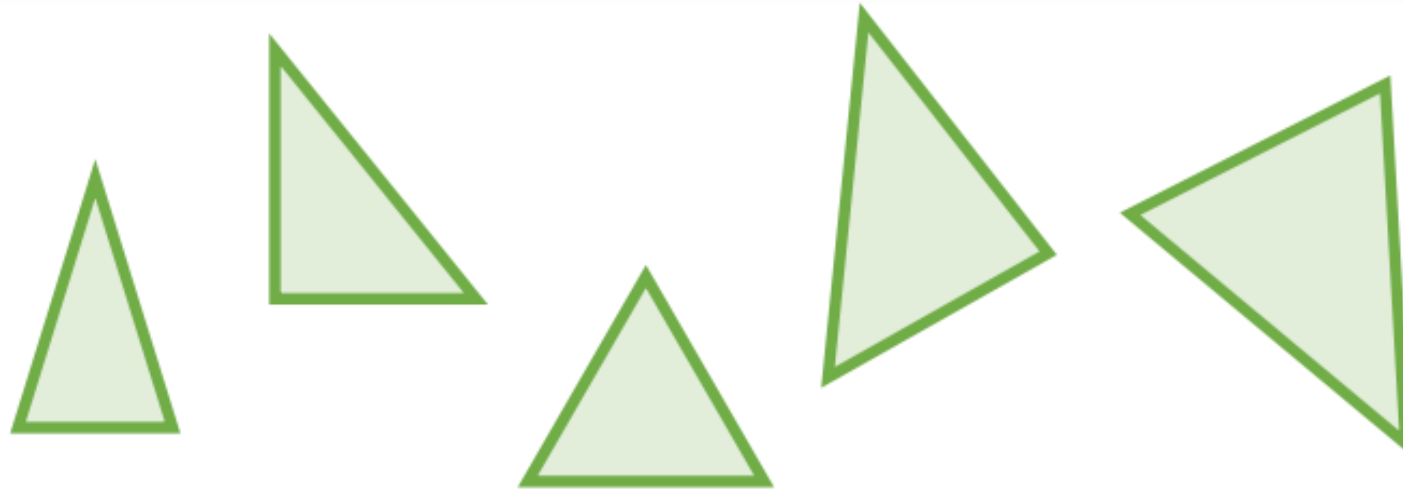
One angle is a right angle (90°)
Two other angles add up to 90°
The longest side is called the
hypotenuse.

scalene



All sides are different
All angles are different.

Triangles

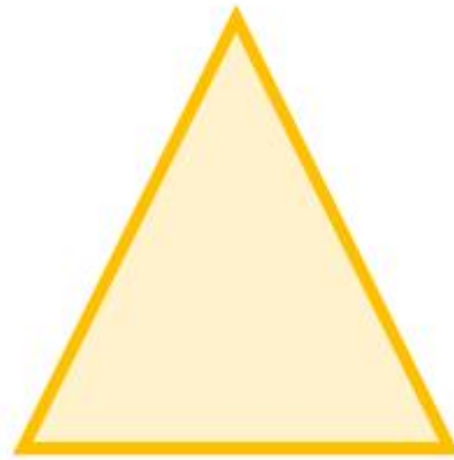


Are any of these triangles also right-angled?



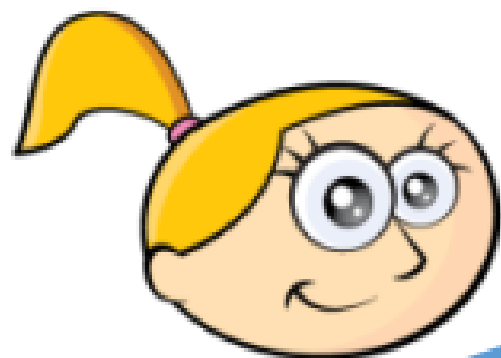
Look at these triangles.

What is the same and what is different?



Using a ruler, draw:

- An isosceles triangle
- A scalene triangle



Eva

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

Investigate whether Eva is correct.

Answer



Eva

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

Investigate whether Eva is correct.

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



Draw two more sides to create:

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



Which is the hardest to draw?

Draw two more sides to create:

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

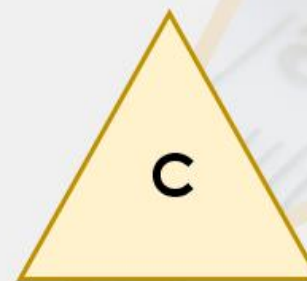
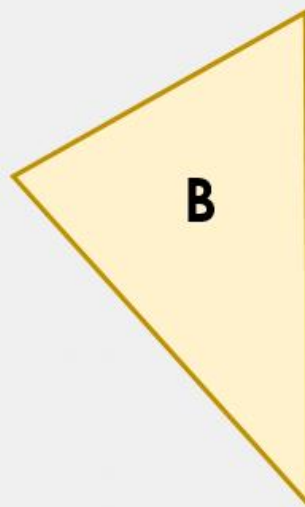
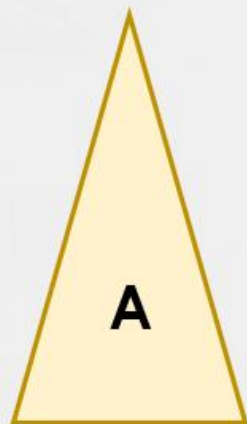


Which is the hardest to draw?

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°

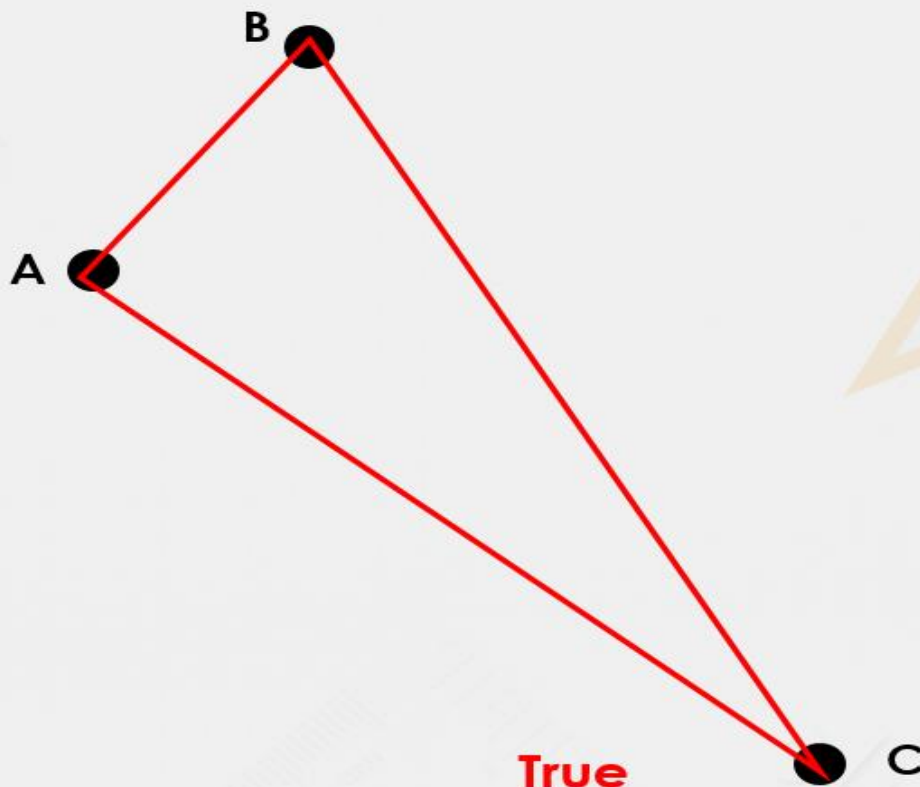
Tick the isosceles triangles.



True or false? Connecting these dots will create a right angled triangle.



True or false? Connecting these dots will create a right angled triangle.

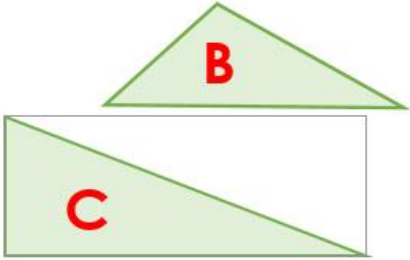

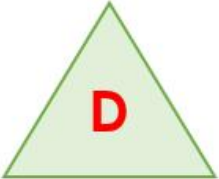


Sort the triangles into the table.

Scalene	Isosceles	Equilateral



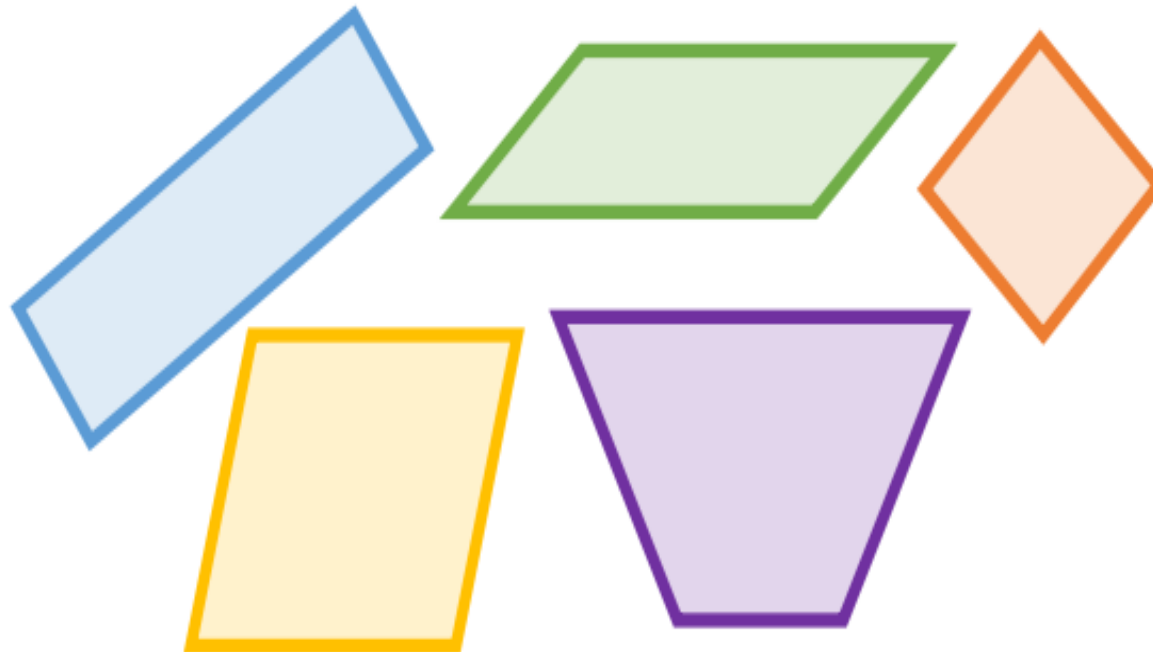
Sort the triangles into the table.

Scalene	Isosceles	Equilateral
		

2D Shape



 Label the quadrilaterals using the word bank.



trapezium
square
rhombus
rectangle
parallelogram

Use the criteria to describe the shapes.



four sides

2 pairs of parallel sides

four equal sides

polygon

1 pair of parallel sides

4 right angles

Which criteria can be used more than once?

Which shapes share the same criteria?

Draw and label:

- a rhombus.
- a parallelogram.
- 3 different trapeziums