

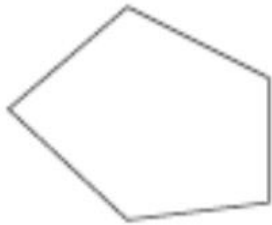
Monday 29th June 2020

Different types of Triangles

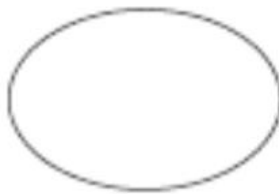
A polygon is a 2D shape, made up of straight lines and has no gaps.

Identify the polygons from the shapes below. You must say whether the shape is or is not a polygon. The first one has been done for you. 1) is a polygon 2)

1)



2)



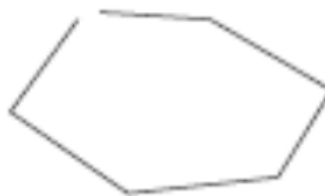
3)



4)



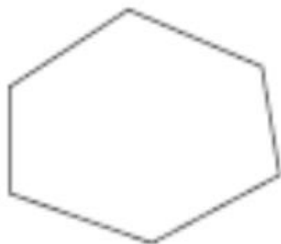
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6)



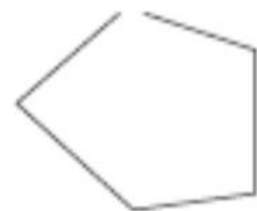
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8)



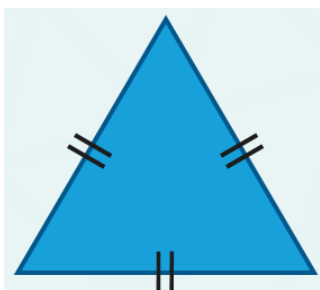
9)



10. What is a polygon?

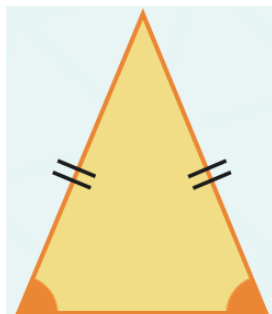
A polygon is

A triangle is a 2D shape that has 3 sides and 3 internal angles. There are 4 different types of triangles that you should recognise and learn.



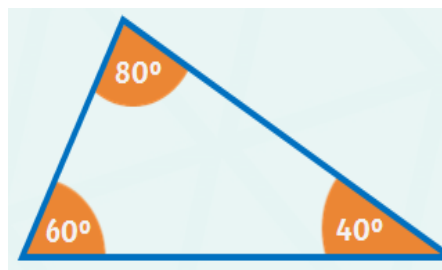
Equilateral Triangle

- All 3 sides are equal in length
- All 3 angles are equal in size



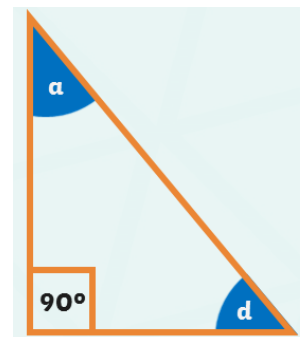
Isosceles Triangle

- 2 sides are equal in length
- 2 angles are equal in size



Scalene Triangle

- 0 sides are equal in length
- 0 angles are equal in size



Right-Angled Triangle

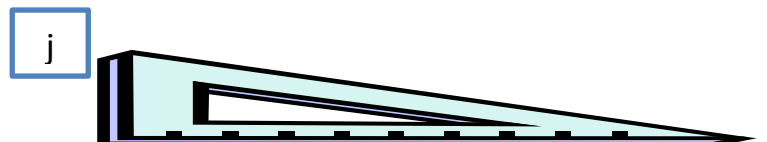
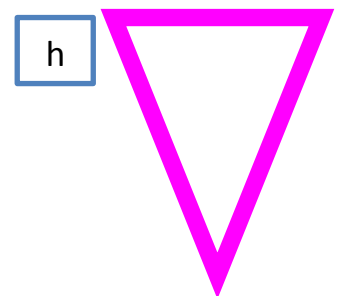
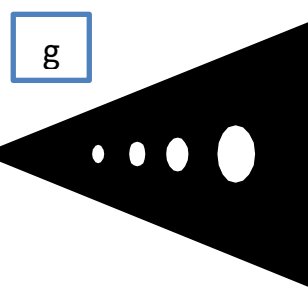
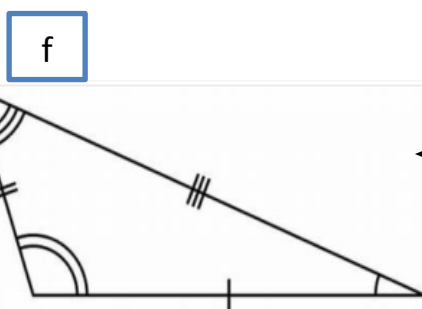
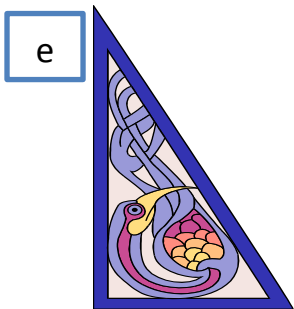
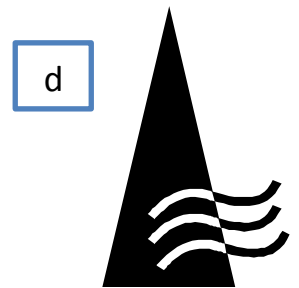
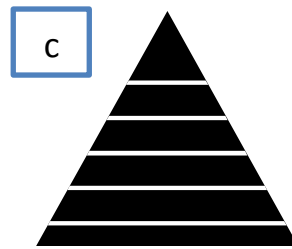
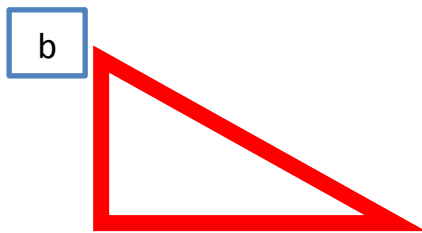
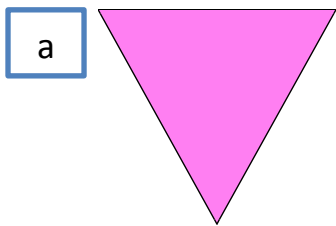
- 1 angle is a right-angle (90°)
- The other 2 angles will add up to 90°

Google – maths mansion triangles

Watch and learn from this short video

11. Identify the triangles below. The first one is done for you.

a = equilateral b =



CHALLENGE:

Draw your own triangles. First draw a line measuring 6cm then add two more lines to make

- An equilateral triangle.
- Draw another line that measures 6cm then add two more lines to create a scalene triangle.
- Draw another line that measures 6cm then add two more lines to create an isosceles triangle.