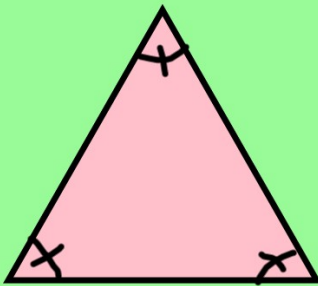
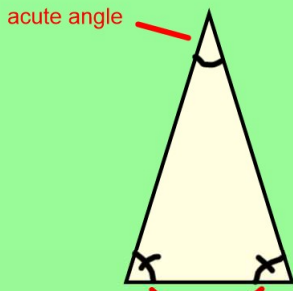


LO: triangles



**equilateral triangles**

An equilateral triangle **always** has three acute angles that are the same size.

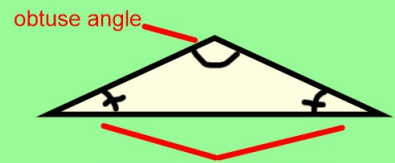


two equal acute angles

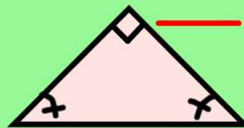
**isosceles triangle**

An isosceles triangle always has two identical acute angles and one other angle.

The third angle can be either an acute angle, obtuse angle or a right angle.



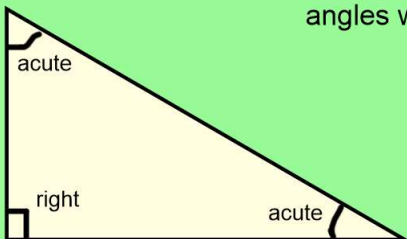
two equal acute angles



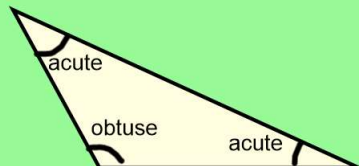
two equal acute angles

**scalene triangle**

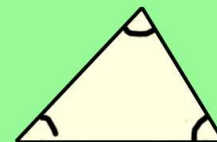
A scalene triangle always has three angles which are all different sizes.



two acute and a right angle



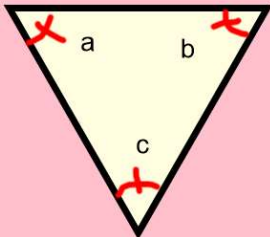
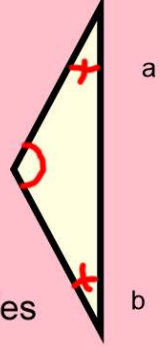
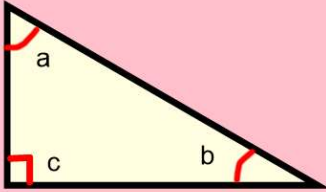
two acute and an obtuse angle



three acute angles

The shortest side is opposite the smallest angle.  
The longest side is opposite the largest angle.


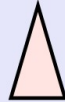
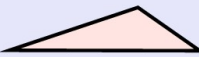
**Activity 1** – Identify the type of triangle and the type of angles with it. I've done the ones in pink...

<p>1.</p>  <p><b>equilateral</b></p> <p>a. acute b. acute c. acute</p>	<p>2.</p>  <p><b>isosceles</b></p> <p>a. acute b. acute c. obtuse</p>	<p>3.</p>  <p><b>scalene</b></p> <p>a. acute b. acute c. right</p>
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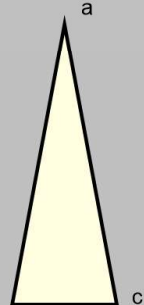
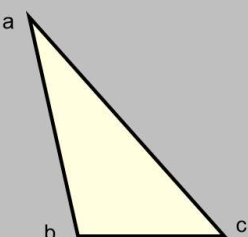
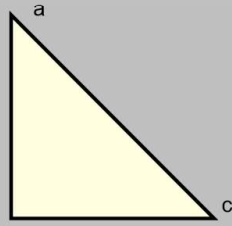
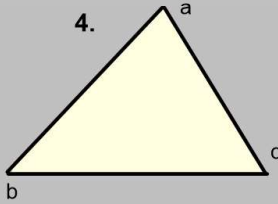
Your go...

**LO: triangles**

**Identify the type of triangle and its angles.**


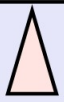
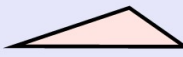
		
<b>equilateral triangle</b> all sides are equal all angles are equal	<b>isosceles triangle</b> two sides are equal two angles are equal	<b>scalene triangle</b> no sides are equal no angles are equal

**Activity**

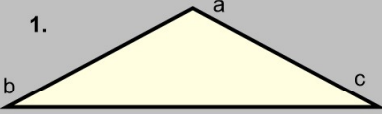
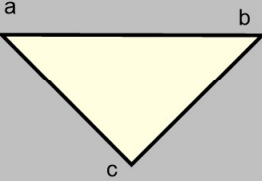
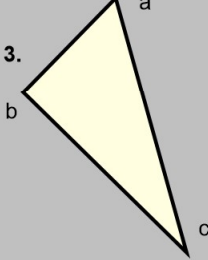
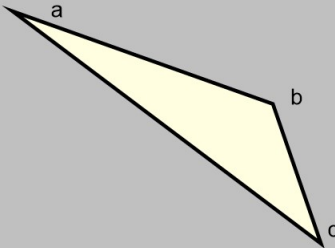
<p>1.</p> 	<p>2.</p> 	<p>3.</p> 
<p>4.</p> 		

**LO: triangles**

**Identify the type of triangle and its angles.**

		
<b>equilateral triangle</b> all sides are equal all angles are equal	<b>isosceles triangle</b> two sides are equal two angles are equal	<b>scalene triangle</b> no sides are equal no angles are equal

**Activity**

<p>1.</p> 	<p>2.</p> 	<p>3.</p> 
<p>4.</p> 		

# Challenge

Two of the angles in a triangle are  $70^\circ$  and  $40^\circ$

Jack says,

The triangle is equilateral.



Explain why Jack is **not** correct.

Jamie draws a triangle.

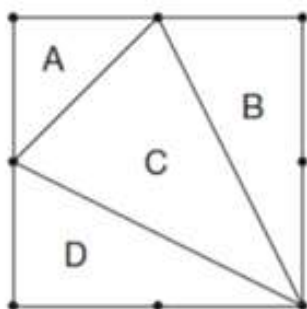
He says,

*'Two of the three angles in my triangle are obtuse'.*

Explain why Jamie **cannot** be correct.

This diagram shows a square with dots at the vertices and at the middle of each side.

The square is divided into four triangles, **A**, **B**, **C** and **D**.



Write the letters of all the triangles that have a **right angle**.

\_\_\_\_\_

Write the letters of all the triangles that have **two equal sides**.

\_\_\_\_\_