

Lesson 2

L.O. I am learning to find angles in a triangle

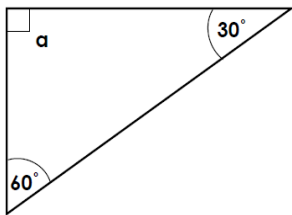
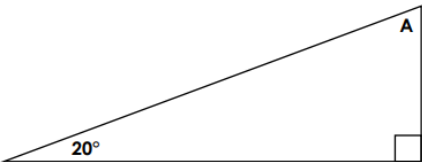
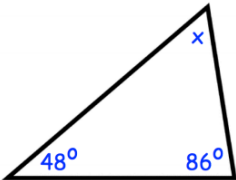
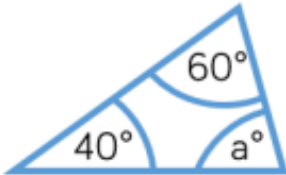
All	All of you must complete the fluency section.
Most	Most of you will complete the fluency and reasoning sections.
Some	Some of you will complete the fluency , reasoning , and problem-solving sections.

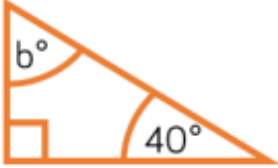
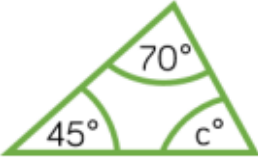
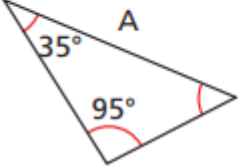
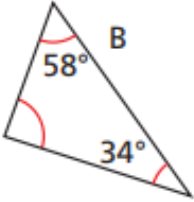
Try your best – it is all we can ask for! 😊

This video may help if you are stuck at any point:

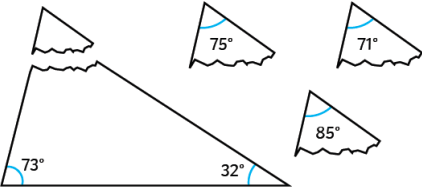

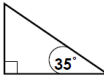
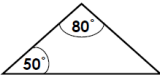
<https://corbettmaths.com/2012/08/10/angles-in-a-triangle/>

Fluency

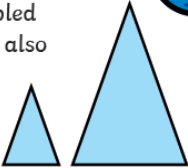

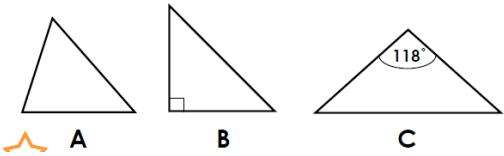
Key vocabulary: Angles, degrees, isosceles, scalene, equilateral, interior, hash marks and right angle.	Your answer
<p>Copy and complete the stem sentence.</p> <p>Angles in triangles total ____ degrees.</p>	
<p>3a. All the angles in a triangle add to make 180°. Find angle a.</p> 	a=
<p>What is the value of angle A?</p> 	A=
<p>What is the value of angle x?</p> 	x=
<p>Calculate the missing angles</p> 	a=
<p>Calculate the missing angles</p>	b=

	
<p><u>Top tip:</u> How many degrees is the square in the corner?</p> <p>Calculate the missing angle.</p> 	C=
<p>Calculate the missing angle.</p> 	
<p>Calculate the missing angle.</p> 	

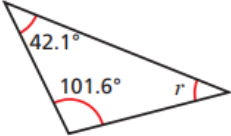
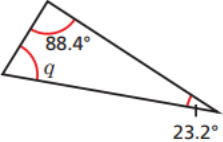
Reasoning

<p>Key vocabulary: Angles, degrees, isosceles, scalene, equilateral, interior, hash marks and right angle.</p> <p>One corner is torn from this triangle. What corner shows the angle of the missing corner?</p> 	<p>Your answer</p>
<p>5a. Match each triangle to the best description.</p> <p>1. The missing angle in this triangle is 50°.</p> <p>2. The missing angle in this triangle is a multiple of 5.</p> <p>3. This triangle has three 60° angles.</p> <div> A</div> <div> B</div> <div> C</div>	<p>1=</p> <p>2=</p> <p>3=</p>

Problem Solving

Key vocabulary: Acute, Obtuse, Right, Straight line, Reflex	Your answer
<p>1) Always, sometimes or never true? Prove it!</p> <p>a) When this triangle is doubled in size, the interior angles also double in size.</p> <p>b) A triangle can have two obtuse interior angles.</p> <p>c) A triangle can have two acute interior angles.</p>  	
<p>8a. Match each triangle to the best description.</p> <p>1. The missing angles in this triangle add to make 90°.</p> <p>2. This obtuse isosceles triangle is missing two 31° angles.</p> <p>3. This triangle has no angles greater than 90°.</p> 	<p>1=</p> <p>2=</p> <p>3=</p>

Extension

Key vocabulary: Angles, degrees, isosceles, scalene, equilateral, interior, hash marks and right angle.	Your answer
 <p>$r =$ <input type="text"/></p>	
 <p>$q =$ <input type="text"/></p>	