
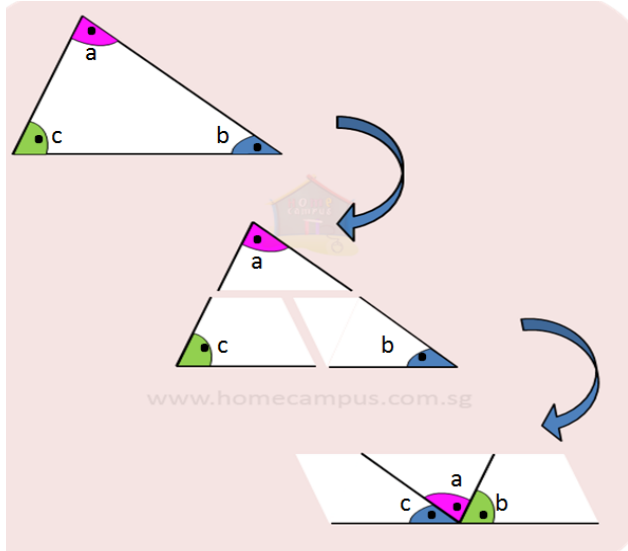
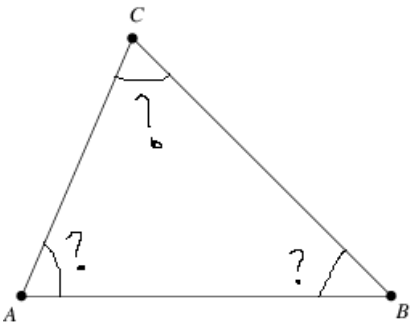
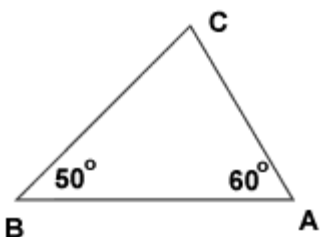


Maths Learning Design

Topic:	Shape and Space	Class:	Year 5 Year 6 (I)	Duration:	3 periods
Subtopic :	Sum of angle on a Straight Line				
Content Learning Objectives:	Pupils should be able to: <ul style="list-style-type: none"> • Identify that the sum of the angles in a triangle is 180° • State the sum of the angles in triangle is 180° • Calculate the angles in a triangle. 				

	Teaching & Learning Activities	Resources	Summary
<p>Tuning in (Introduction) <i>Determine prior knowledge and prepare pupils</i></p>	<ol style="list-style-type: none"> Recall the total angles in the triangle is equal to 180°. <div style="text-align: center;">  </div> Pupils will be working in pairs. Pupils are asked to create their own triangle with their partner. Label and mark the angles: a, b and c. <i>How do you make the three angles to form a straight line?</i> Give ample time for pupils to explore with the triangle. Pupils will present their work and make their conclusion. <div style="text-align: center; margin: 10px 0;">  </div> <ol style="list-style-type: none"> Teacher will guide the pupils if none of the groups cannot figure out the total of the angles in the straight line e.g. by cutting the three edges triangle shape given. Cut the three angles a, b and c and form it into a straight line. It shows that the angles a, b and c will sum up into 180°. 	<ul style="list-style-type: none"> • Papers • Visualizer 	

<p>Finding out & Sorting out (Lesson Development) <i>Time to locate, gather information, organise and process ideas.</i></p>	<ol style="list-style-type: none"> 1. Give a different type of triangle from above example. 2. Ask the pupils to measure the three angles in the triangle using a protractor. 3. Diagram of triangle: <div style="text-align: center;">  </div> 4. Pupils will present their finding and conclude that the total of all the three angles in a triangle is 180°. 	<ul style="list-style-type: none"> • Triangle • Protactor • Angles 	<p>Identify that the sum of angles in triangle is 180°</p>
<p>Making Conclusions <i>Draw conclusion and consolidate understanding</i></p>	<ol style="list-style-type: none"> 1. Give an example of a triangle with a missing angle. 2. Diagram of triangle <div style="text-align: center;">  </div> 3. Recall the sum of triangle is 180°. $\boxed{A} + \boxed{B} + \boxed{C} = 180^{\circ}$ 4. Ask the pupils that if one of the angle is missing, how to find this angle? $\boxed{60} + \boxed{50} + \boxed{C} = 180^{\circ}$ 5. Pupils will try to sort it out. 	<ul style="list-style-type: none"> • Triangle • Angles 	<p>Identify that the sum of angles in triangle is 180°</p>
<p>Go further (Enrichment) <i>Apply knowledge to develop further understanding</i></p>	<ol style="list-style-type: none"> 1. Provide more practice through star workbook and enrichment worksheet (PSR questions) for high achiever and give plenty of time to complete the tasks. E.g: If A is 40° and C is 60°, what is b? 	<ul style="list-style-type: none"> • Worksheet 	<p>Able to find out the unknown angles in a triangle</p>
<p>Evaluation (with respect to the Content Learning Objectives)</p>			
<p>What worked well?</p>	<p>What would make it even better next time?</p>		