



Activity type	classroom <input checked="" type="checkbox"/> homework <input checked="" type="checkbox"/> independent learning <input type="checkbox"/> other <input type="checkbox"/>		
Activity objectives(s)	By the end of this lesson pupils should be able to <ul style="list-style-type: none"> - identify the names of some regular polygons - find the angle at the centre of regular polygons - find interior angles in regular polygons - find angles in stars formed in regular polygons - find angles in regular polygons formed within stars 		
Activity resources(s)	This lesson is best done with an interactive whiteboard and a set of laptops.		
Delivery mode	teacher led <input checked="" type="checkbox"/> student led <input type="checkbox"/>	Collaboration type	individual <input checked="" type="checkbox"/> pairs <input checked="" type="checkbox"/> groups <input type="checkbox"/>
Task description	<p>Give students the homework task of finding the names of some polygons prior to this lesson.</p> <p>Whole Class Lesson Introduce the lesson by determining the names of some polygons and their respective number of sides from the homework task. Display Nat 5 Unit 1 Topic 6.1 on the board and use the materials to name regular polygons with up to 12 sides. Highlight the definition of a regular polygon and congruent triangles. Identify where an interior angle can be found. Students could take some notes and angle properties could be revised. Emphasize the need to show working. Work through examples 1 and 2 with pupils.</p> <p>Computer task Students should work through Nat 5 Unit 1 Topic 6.1 Questions 1 - 5. Students should try the Angles in polygons exercise there are 2 questions.</p> <p>Whole class You may wish to give feedback to students on their progress. Display a report of the exercise.</p> <p>Move onto some text book practice.</p>		



SCHOLAR Lesson Outline

Differentiation (Alternative use)	
Hints & Tips	<p>This task is best done in pairs or individually.</p> <p>Students are often reluctant to write down any working when given a computer-based task. It is a good idea to get students to copy the examples in the materials into their notes so that they can refer to them while attempting the exercise. Emphasize the need for working.</p> <p>Go round the class and get students to explain their answers.</p> <p>It is a good idea to get students to show you their score when they finish the exercise. If they do not get 5/5 you can send them back to have another try while the rest of the class finish off.</p> <p>Some teachers like to generate a report while pstudents are logged in so that they can be shown what the teacher can see. This will highlight progress and any pupils who are just clicking reveal, as 5/5 can only be achieved by entering correct answers.</p> <p>There is online training available to help you learn how to do this. When you are logged in you will see a course called Succeed with SCHOLAR. Unit 1 Topic 7 introduces you to the reporting system.</p> <p>Choose some questions for students to try from the textbook in advance.</p> <p>Questions 1 & 2 in the end of topic test (Topic 6.4) give extra practice.</p>
Notes	<p>This topic lends itself to being non-calculator. This is difficult as students will be able to access the computer's calculator. It could be best achieved when students are working from the textbook.</p> <p>The SCHOLAR part of this lesson will take around 20 mins.</p>