

PLANNING SHEET

CODE: Sh5

KEY QUESTION: Join the vertices of regular shapes. Count the triangles is there a relationship?

BASIC	TARGET	EXTENSION
<p>Using a triangle then square then pentagon join all the vertices to each other and then count the number of separate triangles not overlapping.</p> <p>Children then find if there is a pattern to the number of triangles.</p> <p>Using a data table and graph can be useful.</p> <p>Get them to predict the number of triangle in the next shape (hexagon)</p> <p>Then test their prediction</p>	<p>This can be extended through extending the number of sides on the shape.</p>	<p>Does this work with non-regular shapes? What about counting the overlapping shapes as well? Can this be done in three dimensions?</p>
<p>Key Skills</p> <p>Understanding of common shapes recording and counting accurately Investigating pattern in number</p>		
<p>Vocabulary:</p> <p>Triangle square pentagon hexagon heptagon octagon ...</p>	<p>Resources/Key Facts:</p> <p>A set of regular shapes for drawing round</p> <p>To add reference of the shape names</p>	