

Benchmarks for Angles

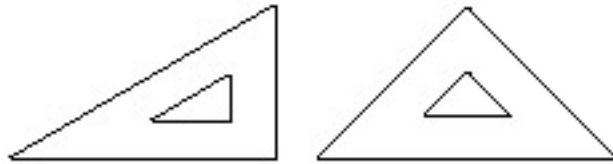
In the same way that we develop a feeling for distances and lengths using particular values as reference, we can develop a feeling for angles using particular values as references. Useful angles to have as a reference are 90° , 60° , 45° , and 30° . Combining these angles, we can also find benchmarks for angles bigger than 90° . Useful benchmarks are 120° , 135° , 150° , and of course 180° .

Activity 1

Describe the following benchmark angles using your own words: 0° , 30° , 45° , 60° , 90° , 120° , 135° , 150° , and 180° . For example, 45° is half a right angle; 60° is the angle of an equilateral triangle; 120° is the angle of a regular hexagon.

Geometry Triangles

Construction triangles are helpful to develop a feeling for the size of angles using benchmark angles 30° , 45° , 60° and 90° . Identify the sizes of the different angles in the geometry triangles.



Activity 2

Use the construction triangles to measure the size of the following angles.

