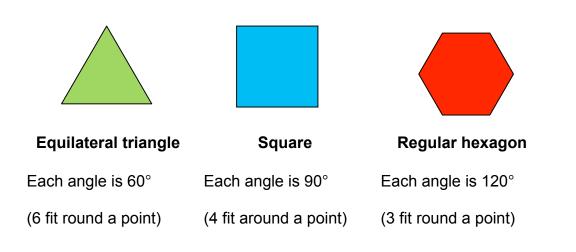
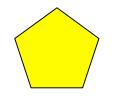
Regular shapes and tessellations

You probably have a **tiling pattern** on a wall or floor of your home, usually in the kitchen or bathroom. Patterns made from pieces that fit together without leaving any gaps are called **tessellations**. The simplest ones are made from **regular** shapes.

A regular shape has **straight sides all the same length** and **all its angles equal**. Refer to Angles if you need more information on angles.

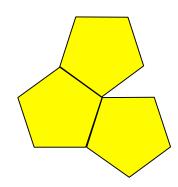
There are three regular shapes that can tessellate:





Regular pentagon

Each angle is 108°



 $108^{\circ} \times 3 = 324^{\circ}$ is less than 360°

 $108^{\circ} \times 4 = 432^{\circ}$ is more than 360° so this shape cannot tessellate on its own