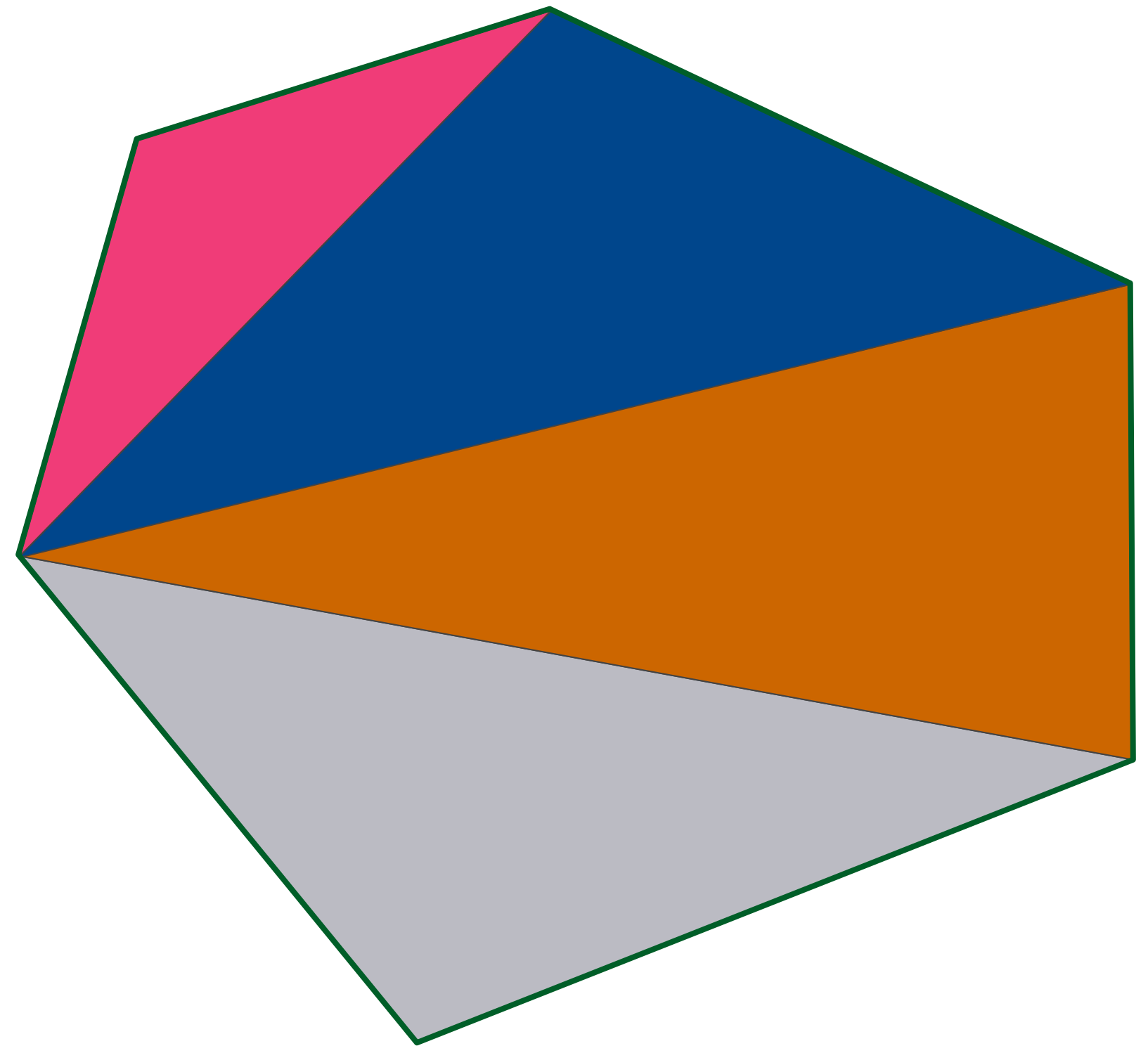Mathematics

Angles in Polygons
Downloadable Resource – Polygons and Triangles
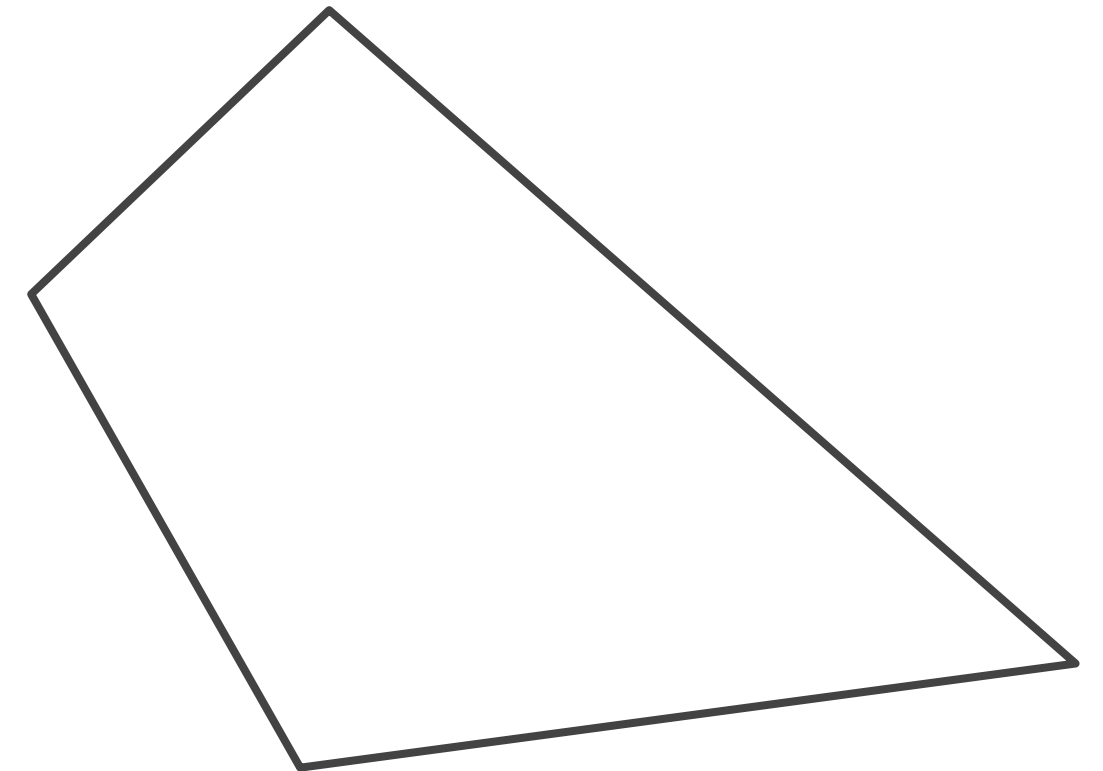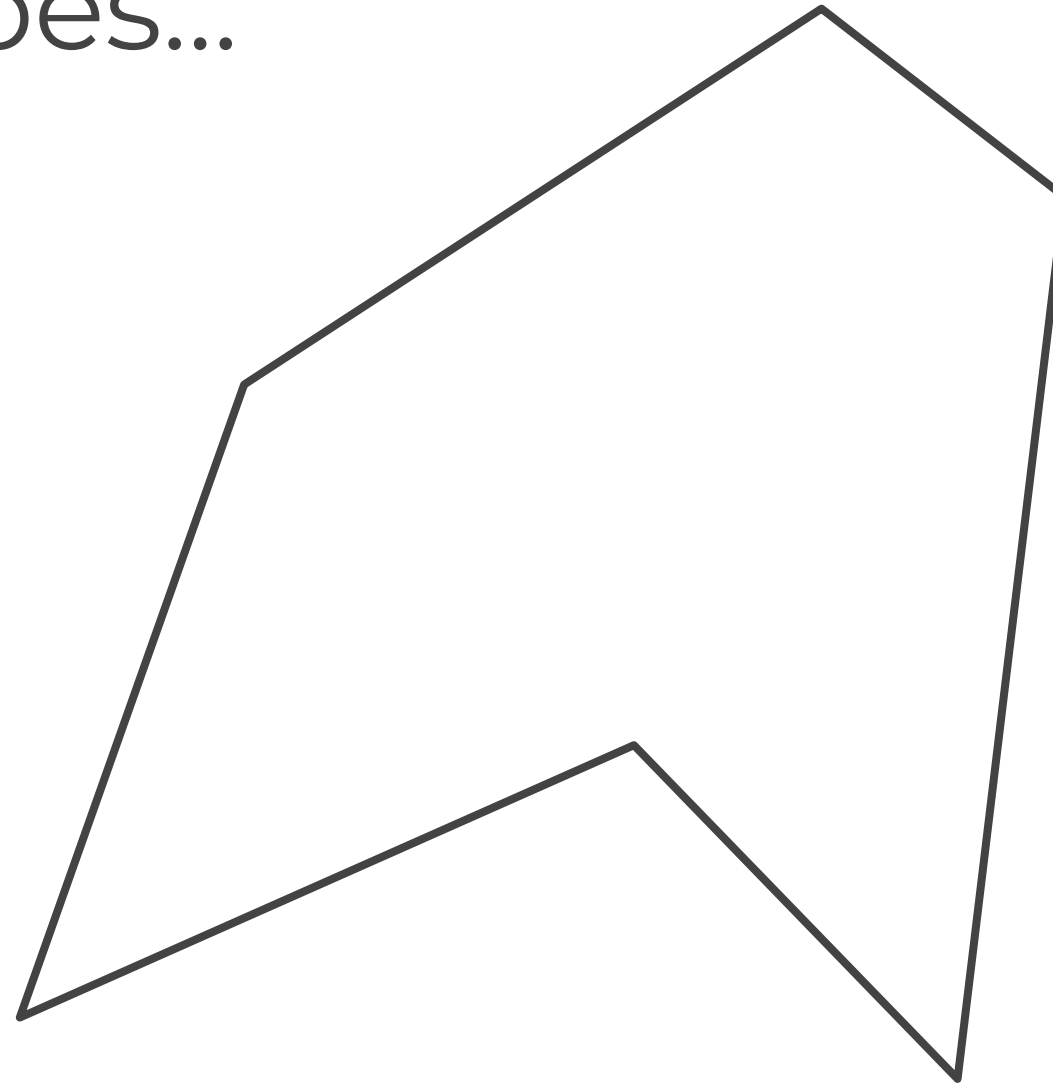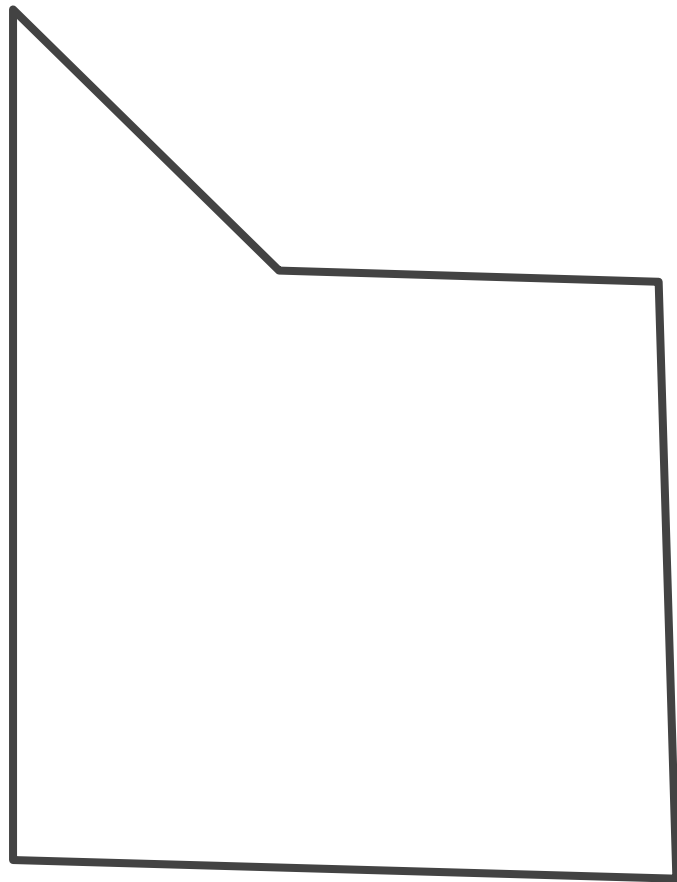
Mr. Thomas

Try this

What is the sum of the angles in the blue triangle?

What is the sum of the angles in the quadrilateral formed by the orange and grey triangles?
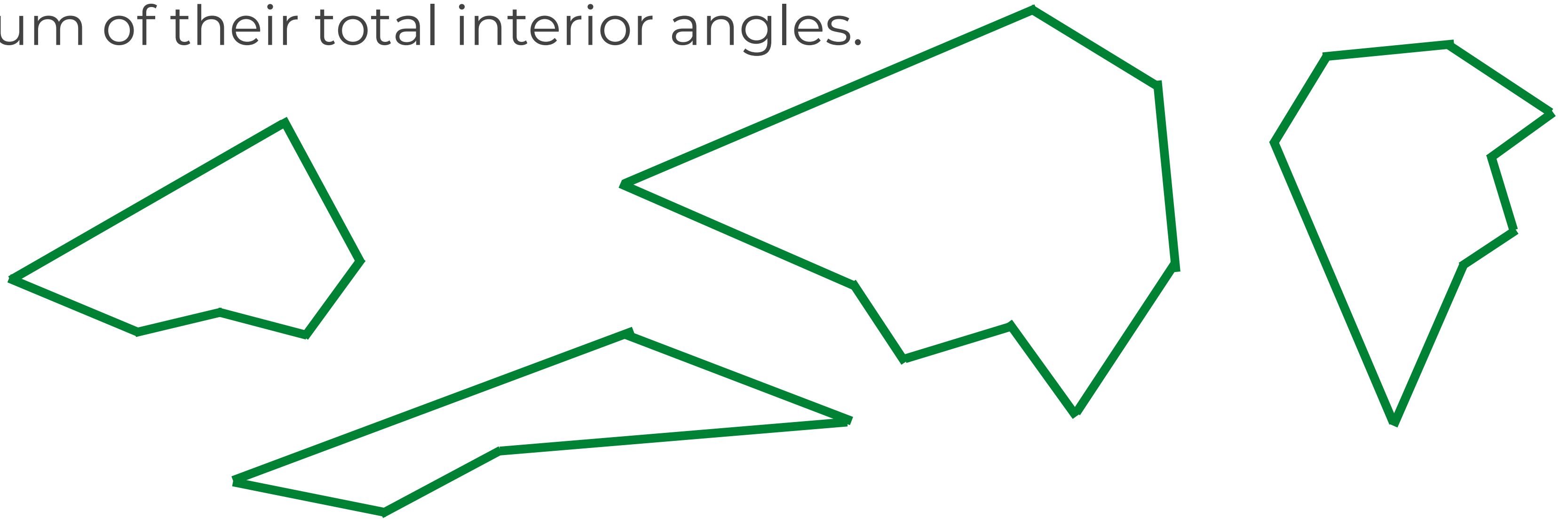
What is the sum of the angles in the entire hexagon?

Connect

Let's split these shapes...

Independent Task

Split the shapes into triangles to discover the sum of their total interior angles.

Explore

Draw three quadrilaterals, pentagons, and hexagons that are **non-congruent**.

| 1 | Find the sum of their interior angles. |

| 2 | What do you notice? |