Name: .... Class: ....
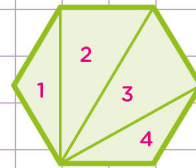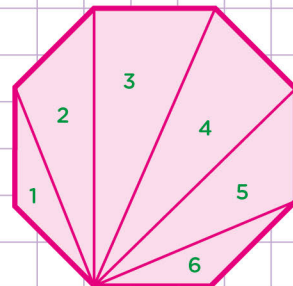
Sums of angles in polygons

Remember that the sum of the angles in a triangle is always **180°**.

1. Determine the sum of angle measure in this shape

→

2. Determine the sum of angle measure in this shape

→

3. Determine the sum of angle measure in this shape

→

math**skills**4**kids**

Name: .... Class: ....

Sums of angles in polygons

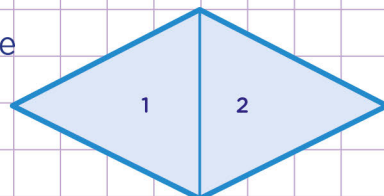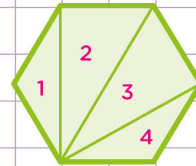Remember that the sum of the angles in a triangle is always **180°**.

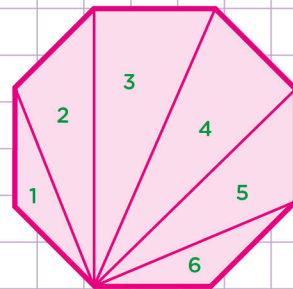**1.** Determine the sum of angle measure in this shape

▸ **Step 1:** Find out how many triangles make up a hexagon: **4 triangles**

▸ **Step 2:** multiply **4** triangles by **180°**
4 x 180° = 720°

So the angle measures of a hexagon is

720°
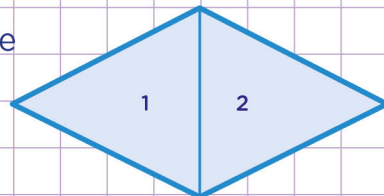
2. Determine the sum of angle measure in this shape

▸ **Step 1:** Find out how many triangles make up an octagon: **6 triangles**

▸ **Step 2:** multiply **6** triangles by **180°**
6 x 180° = 1,080°

So the angle measures of a octagon is

1,080°

3. Determine the sum of angle measure in this shape

▸ **Step 1:** Find out how many triangles make up a quadrilateral: **2 triangles**

▸ **Step 2:** multiply **2** triangles by **180°**
2 x 180° = 360°

So the angle measures of this quadrilateral is

360°