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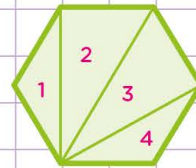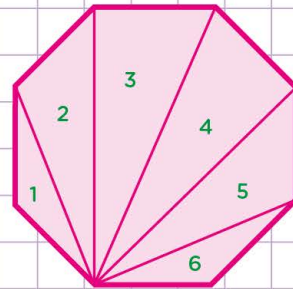
Sums of angles in polygons

Remember that the sum of the angles in a triangle is always **180°**.
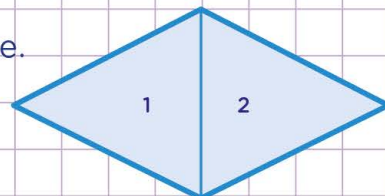
1. Determine the sum of angle measure in this shape.

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

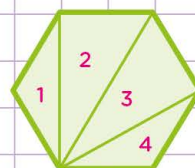**3.** Determine the sum of angle measure in this shape.

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

Sums of angles in polygons

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

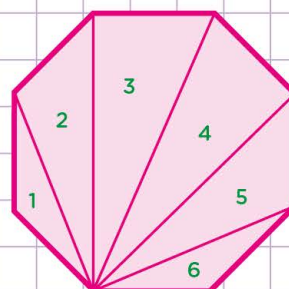**1.** Determine the sum of angle measure in this shape.

▸ **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
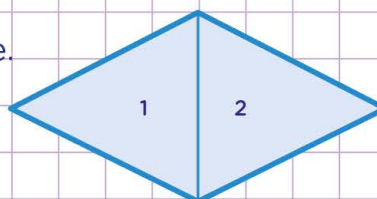
720°

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°