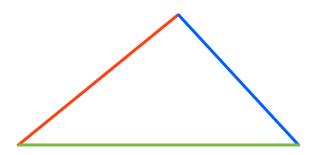
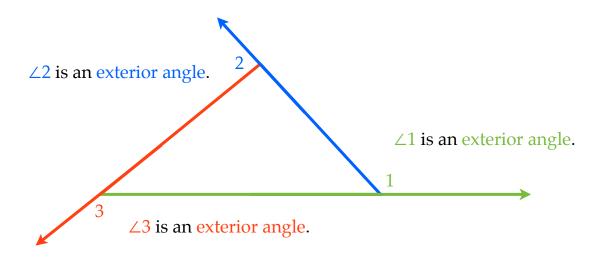
Exterior Angle

An exterior angle is formed by one side of a polygon and the extension of another side.



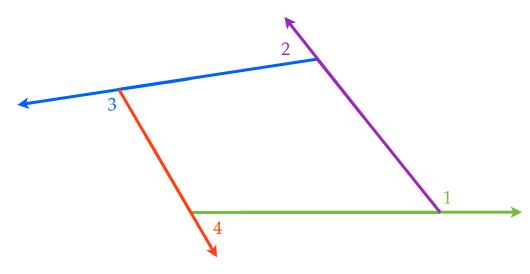
The sum of the measures of the exterior angles of a polygon is 360°.

$$m \angle 1 + m \angle 2 + m \angle 3 = 360^{\circ}$$

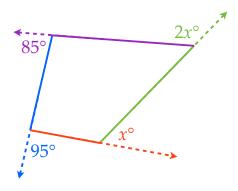


The sum of the measures of the exterior angles of a polygon is 360°.

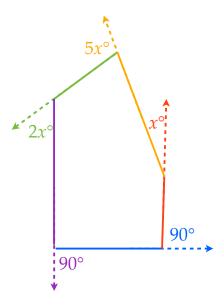
$$m \angle 1 + m \angle 2 + m \angle 3 + m \angle 4 = 360^{\circ}$$



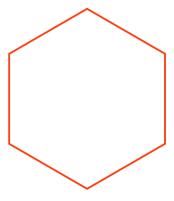
Solve for the value of x.



Solve for the value of x.



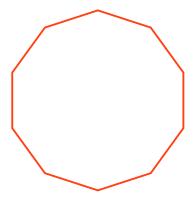
Given the number of sides of a regular polygon, find the measure of each exterior angle.



In a regular polygon, all exterior angles are congruent.

Given the number of sides of a regular polygon, find the measure of each exterior angle.

n = 10



In a regular polygon, all exterior angles are congruent.

Given the number of sides of a regular polygon, find the measure of each exterior angle.

$$n = 18$$

$$n = 45$$

In a regular polygon, all exterior angles are congruent.

The sum of the measures of the exterior angles of a polygon is 360°.

$$m \angle 1 + m \angle 2 + m \angle 3 + m \angle 4 = 360^{\circ}$$

