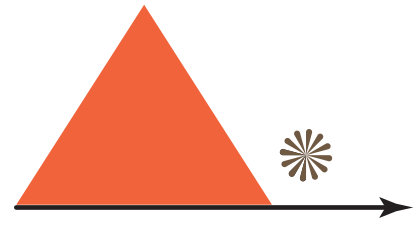
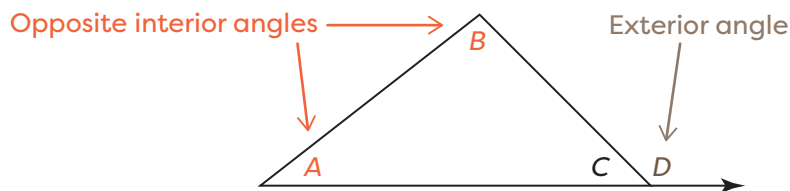


Finding Exterior Angles of Triangles

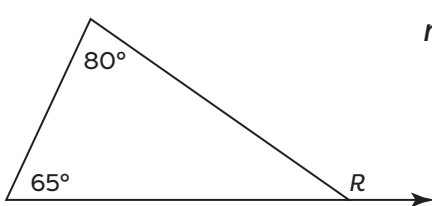


The **Exterior Angle Theorem** states that the measure of an exterior angle of a triangle is equal to the sum of the two opposite interior angles.

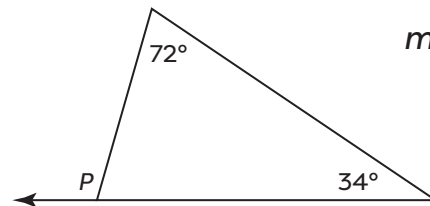


$$m\angle A + m\angle B = m\angle D$$

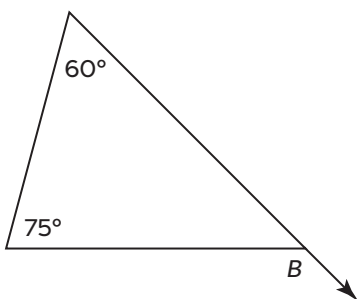
Apply it! Find each missing exterior angle. Use the information above to help you!



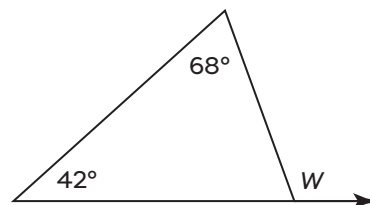
$$m\angle R = \underline{145^\circ}$$



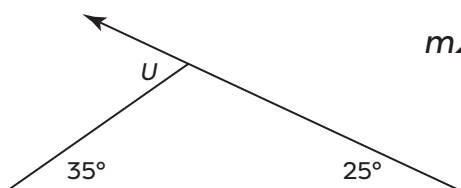
$$m\angle P = \underline{106^\circ}$$



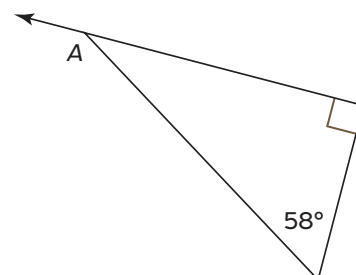
$$m\angle B = \underline{135^\circ}$$



$$m\angle W = \underline{110^\circ}$$



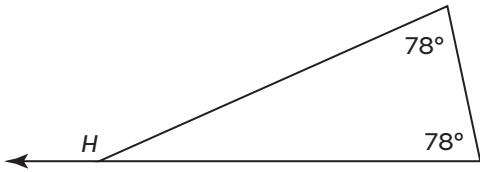
$$m\angle U = \underline{60^\circ}$$



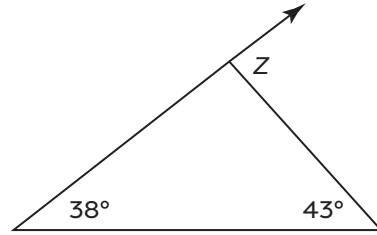
$$m\angle A = \underline{145^\circ}$$

Finding Exterior Angles of Triangles

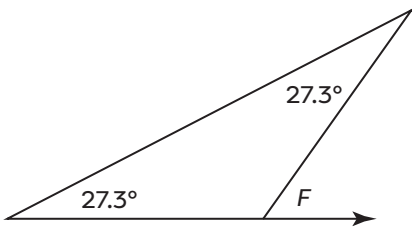
Keep going! Find each missing exterior angle.



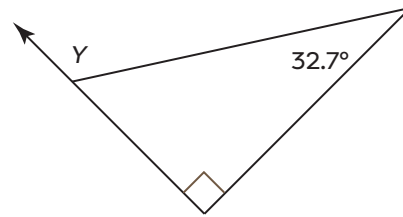
$$m\angle H = \underline{156^\circ}$$



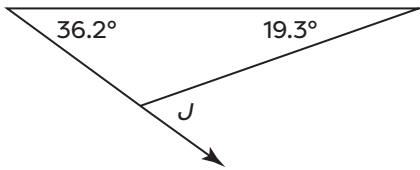
$$m\angle Z = \underline{81^\circ}$$



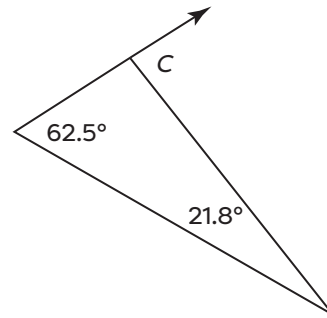
$$m\angle F = \underline{54.6^\circ}$$



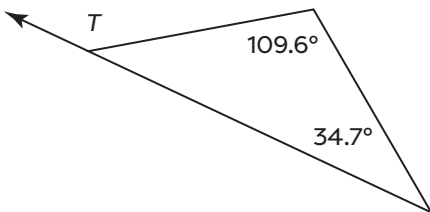
$$m\angle Y = \underline{122.7^\circ}$$



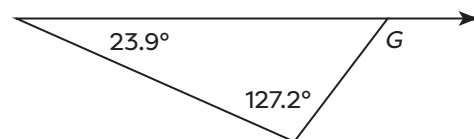
$$m\angle J = \underline{55.5^\circ}$$



$$m\angle C = \underline{84.3^\circ}$$



$$m\angle T = \underline{144.3^\circ}$$



$$m\angle G = \underline{151.1^\circ}$$