## Geometric Reasoning

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Key Vocabulary
Acute - An angle that measures less than 90
Obtuse - An angle that measures greater than 90
Reflex - An angle that measures greater than 180
Interior Angle - The angle inside a polygon
Exterior Angle - The angle outside a polygon when you extend the line from the angle
Intersect - Where two lines cross
Parallel - Lines that do not touch if you continue them
Perpendicular - Lines that would cross at 90}\mathrm{ if you continued them
Vertex - A corner
Vertically Opposite Angles - Angles that are opposite each other when two lines intersect each other
Transversal- A line that cuts two lines
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## Angles in Polygons



The exterior angles (the blue angles) on any polygon add up to $360^{\circ}$

One exterior and interior angle (a red and blue angle) add up to $180^{\circ}$ as the make a straight line

