## Geometric Reasoning

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Key Vocabulary
Acute-A/cute- An angle that measures less than 90
Obtuse-Ob/tuse-An angle that measures greater than 90
Reflex-Re/fl/ex- An angle that measures greater than 180
Interior Angle -In/ter/i/or An/g/le - The angle inside a polygon
Exterior Angle-Ex/ter/i/or An/g/le-The angle outside a polygon when you extend the line from the angle
Intersect-In/ter/sec/t-Where two lines cross
Parallel- Pa/ra/llel- Lines that do not touch if you continue them
Perpendicular- Per/pen/dic/u/lar-Lines that would cross at 90
Vertex- Ver/tex-A corner
Vertically Opposite Angles- Ver/tic/al/ly Opp/o/site-Angles that are opposite each other when two lines intersect
each other
Transversal- Trans/ver/sal-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

