# The Art of Angles

Angle Property Cards

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| **Adjacent Angles**  Two angles at a point that share a common ray and a common vertex and lie on opposite sides of the common ray. | **Co-interior Angles**  Angles which are formed at the intersection of a pair of lines with the transversal, within the two lines, and on the same side of the transversal | **Perpendicular Lines**  Two lines that intersect at a 90° angle |
| **Alternate Exterior Angles**  Angles which are formed at the intersection of a pair of lines with the transversal, outside the two lines, and on opposite sides of the transversal | **Complementary Angles**  Two adjacent angles that form a right angle | **Supplementary Angles**  Two adjacent angles that form a straight angle |
| **Alternate Interior Angles**  Angles which are formed at the intersection of a pair of lines with the transversal, within the two lines, and on opposite sides of the transversal | **Corresponding Angles**  Angles which are adjacent to a transversal intersecting a pair of lines., on the same side of the transversal and both above or both below the line the transversal intersects. | **Transversal**  A line that intersects two other lines obliquely. |
| **Angle**  The figure formed by two rays sharing a common endpoint | **Parallel**  Two lines that have no points of intersection in the plane, and the same gradient (slope) in the coordinate plane | **Vertically Opposite Angles**  Two angles across from each other at the vertex created when two lines intersect |

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