











Describing Quadrilaterals

| | Name | Description of Sides | Description of Angles | Interesting Information |
|---|---------------------|---|---|---|
|  | Quadrilateral | Any 4-sided polygon | Can have no equal side and no equal angles | A polygon is any closed plane shape with straight sides. |
|  | Square | 4 equal sides 2 sets of parallel sides | 4 right angles | A square is a special type of rectangle, rhombus, and parallelogram. |
|  | Rectangle | 2 sets of parallel sides | 4 right angles | A rectangle is a type of parallelogram. |
|  | Rhombus | 4 equal sides 2 sets of parallel sides | Opposite angles are equal | A rhombus is an irregular polygon. Even though the sides are equal, the angles are not. |
|  | Parallelogram | 2 sets of equal parallel sides | Opposite angles are equal | Squares, rectangles, and rhombi are all parallelograms. |
|  | Trapezoid | 1 set of parallel sides | Can have no equal angles | There are 2 named types of trapezoids (isosceles and right) |
|  | Isosceles Trapezoid | 1 set of parallel sides | Adjacent angles are equal | An isosceles trapezoid looks like the bottom half of an isosceles triangle. |
|  | Right Trapezoid | 1 set of parallel sides | 2 right angles, 1 acute angle, 1 obtuse angle | A right trapezoid is the only type of quadrilateral with exactly 2 right angles. |
|  | Kite | Adjacent sides are equal | 2 sets of opposite congruent angles 2 sets of incongruent angles | Adjacent means next to or nearby. A kite can have 2 right angles. |
|  | Dart | Adjacent sides are equal | 2 sets of congruent angles 2 sets of incongruent angles | A dart is a kind of kite. A kite is convex and a dart is concave. |