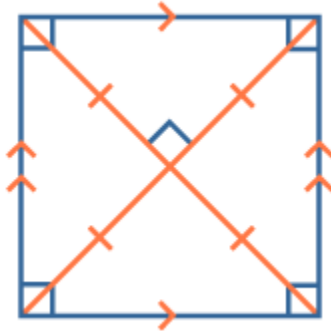


# Special Quadrilaterals

The measures of the interior angles in a quadrilateral add up to  $360^\circ$ .

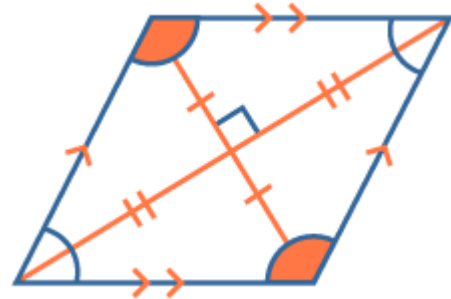
Other properties of special quadrilaterals are:

## Square



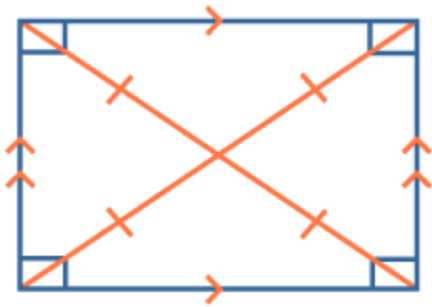
A square is a regular quadrilateral. All of its angles are equal ( $90^\circ$ ). All of its sides are of equal length. Opposite sides are parallel. The diagonals bisect each other at  $90^\circ$ . The diagonals are equal in length. It has four lines of symmetry. Order of rotational symmetry: 4.

## Rhombus



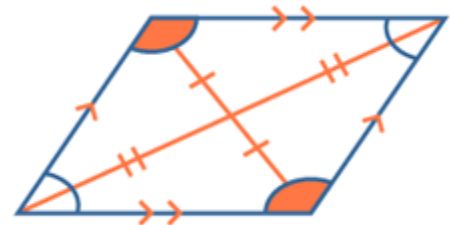
Diagonally opposite angles are equal. All of its sides are of equal length. Opposite sides are parallel. Diagonals bisect each other at  $90^\circ$ . It has two lines of symmetry. Order of rotational symmetry: 2.

## Rectangle



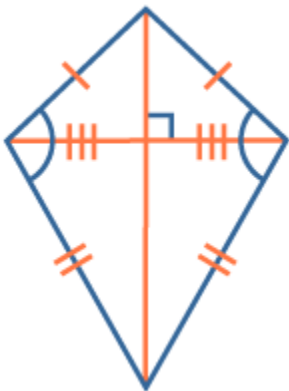
All angles are equal ( $90^\circ$ ). Opposite sides are of equal length. Opposite sides are parallel. The diagonals bisect each other. The diagonals are equal in length. It has two lines of symmetry. Order of rotational symmetry: 2.

## Parallelogram



Diagonally opposite angles are equal. Opposite sides are of equal length. Opposite sides are parallel. The diagonals bisect each other. It has no lines of symmetry. Order of rotational symmetry: 2.

## Kite



Two pairs of sides are of equal length. One pair of diagonally opposite angles is equal. Only one diagonal is bisected by the other. The diagonals cross at  $90^\circ$ . It has one line of symmetry. It has no rotational symmetry.