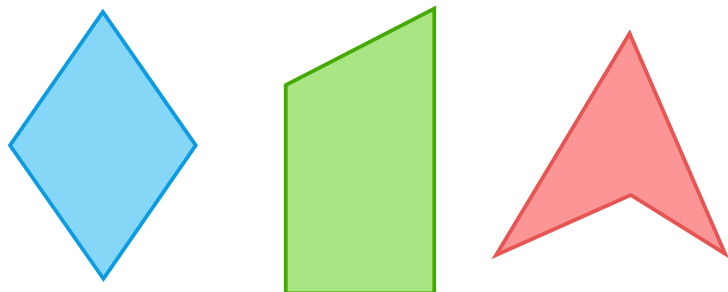


Types of quadrilaterals

What is a quadrilateral?

A quadrilateral is a two-dimensional shape with four sides and four angles.



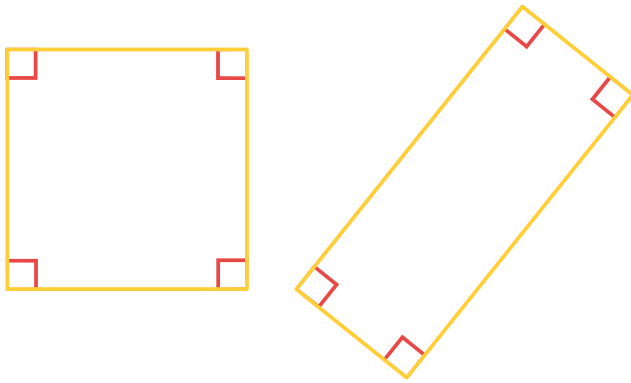
Some quadrilaterals have special names, such as trapezoid, parallelogram, rectangle, rhombus, and square. You can use the properties of quadrilaterals to name them. Let's find out how!

Classifying quadrilaterals

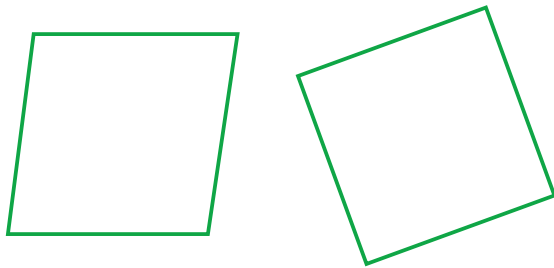
A **parallelogram** is a quadrilateral with two pairs of parallel sides.



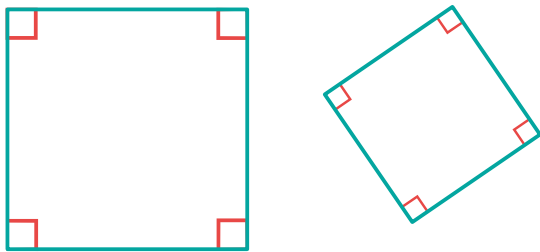
A **rectangle** is a parallelogram with four right angles.



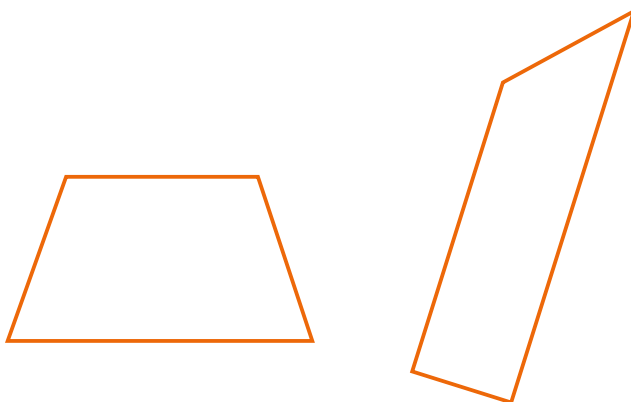
A **rhombus** is a parallelogram with four equal sides.



A **square** is a parallelogram with four equal sides and four right angles.



A **trapezoid** is a quadrilateral with exactly one pair of parallel sides. In the United Kingdom, this shape is called a **trapezium**.

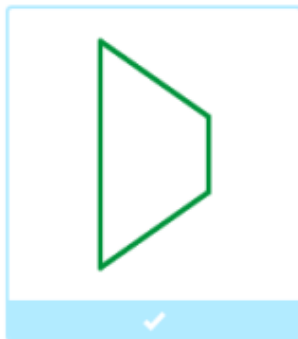
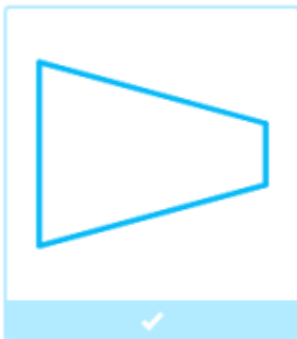


 **Fun Fact**

Not everyone agrees on the definition of a trapezoid! Some people say that a trapezoid has at least one pair of parallel sides instead of exactly one pair of parallel sides. According to that definition, a parallelogram would be a type of trapezoid.

Go to IXL to try some practice problems!

Select all the trapezoids.

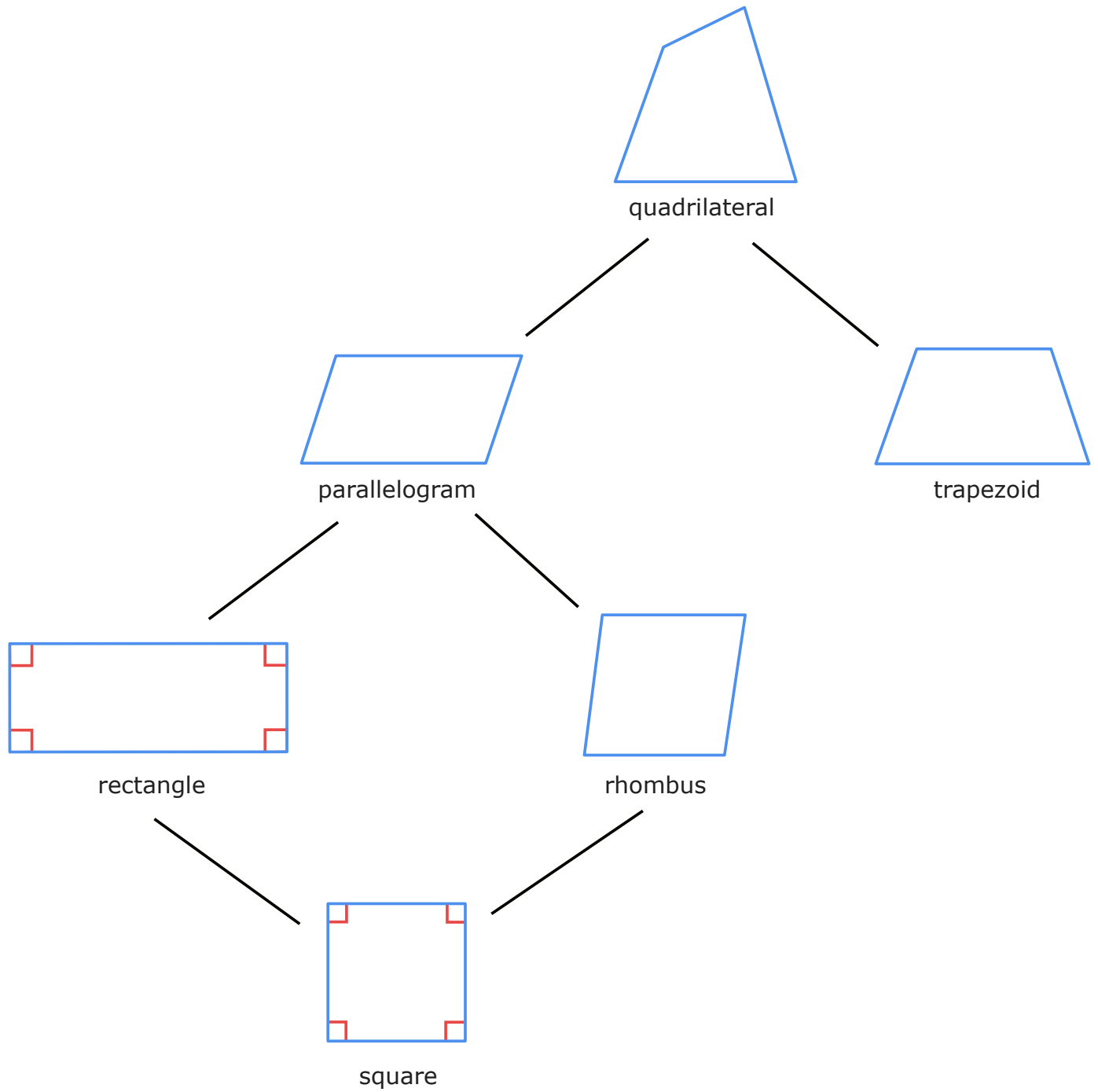


Classify squares, rectangles, rhombuses, parallelograms, and trapezoids CNJ

One shape, many names

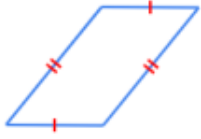
You can use more than one name to describe the same quadrilateral. A square, for example, is also a rhombus, a rectangle, and a parallelogram!

Use this chart to understand how different quadrilaterals relate to each other.



Go to IXL to try some practice problems!

Pick all the names for this shape. Sides that appear to be parallel are parallel.



<input checked="" type="checkbox"/> quadrilateral	<input checked="" type="checkbox"/> parallelogram
<input checked="" type="checkbox"/> rectangle	<input checked="" type="checkbox"/> square



Pick all the names for a quadrilateral 6CT

Visit IXL for more related skills and lessons!

Skills

Classify squares, rectangles, rhombuses, parallelograms, and trapezoids CNJ

Pick all the names for a quadrilateral 6CT

Lessons

Parallel and perpendicular lines

Types of angles

Types of triangles