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126

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90°)180°	270°	360°
A $\frac{1}{4}$ -turn	A $\frac{1}{2}$ -turn	A $\frac{3}{4}$ -turn	A complete
forms a	forms two	forms 3	turn forms 4
right angle.	right angles.	right angles.	right angles.

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This angle is less than 90°.



It is called an **acute** angle.

This angle is more than 90°.



It is called an **obtuse** angle.



An acute angle is < 90°. An obtuse angle is > 90° but < 180°.

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Measuring Angles

We use a protractor to measure angles. We measure angles in degrees.

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Perpendicular Lines

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Parallel Lines

Parallel lines never meet.

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AB and CD are parallel lines. We draw arrowheads on the lines to show they are parallel.

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We say AB is parallel to CD. We write **AB // CD**.



Quadrilaterals

A polygon is a closed figure with straight sides. A **quadrilateral** is a 4-sided polygon.

These are quadrilaterals.



ABCD is a trapezoid. It has at least one pair of parallel lines.

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EFGH is a parallelogram. It has two pairs of parallel lines which are equal on opposite sides. So, a parallelogram is a trapezaid.

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A square has 4 equal sides. It also has 4 equal angles. Each angle = 90°

A rectangle has equal opposite sides. It also has 4 equal angles. Each angle $= 90^{\circ}$ So, a square and a rectangle are both parallelograms.

JKLM is a rhombus. It has two pairs of parallel lines. It has 4 equal sides. It is a parallelogram with equal sides.

We use arrowheads (\succ) to show parallel lines. We use strokes (/) to show equal sides.



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Triangles

A **triangle** is a 3-sided polygon. An equilateral triangle has 3 equal sides. An isosceles triangle has 2 equal sides. A scalene triangle has no equal sides. An equilateral triangle is also an isosceles triangle.





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Equilateral triangle

Isosceles triangle

Scalene triangle

Line Symmetry

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A symmetric figure has one or more lines of symmetry. A **line of symmetry** divides a figure into two equal parts. These equal parts fit exactly.

Each of the following figures has one line of symmetry.



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The figure has more than one line of symmetry.

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132

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