

## SHAPES

### What Are Shapes?

We are surrounded by many different kinds of shapes every day. Many shapes are flat. These shapes are two-dimensional plane figures.

### Plane Figures

Plane figures are flat. They can be closed or not closed.



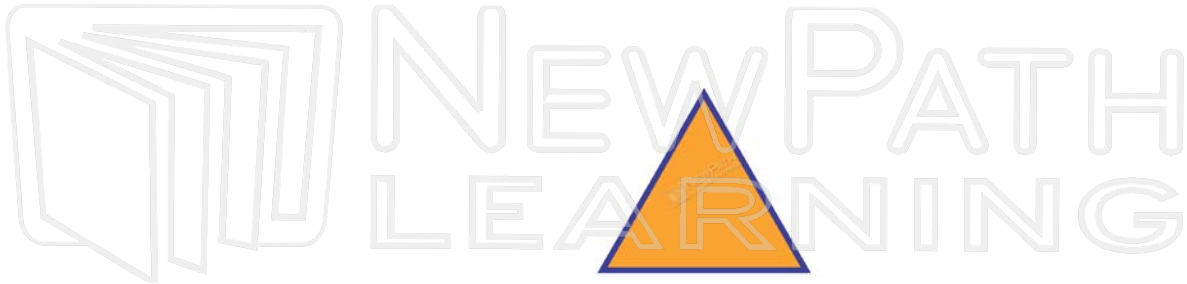
**PREVIEW**

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**Polygons** are plane figures made up of three or more closed line segments. Each line segment of a polygon is a side. Polygons are classified by the number of sides.

A **triangle** has three sides.

An equilateral triangle has three sides of equal length.

A rectangular banner with a light blue background and an orange border. At the top, there are four thought bubbles containing various educational icons: a cube, a microscope, a protractor, a globe, a chemistry flask, a globe, a compass, a bar chart, a pie chart, a bar chart, and a calculator. Below the bubbles is a row of ten diverse cartoon children standing on a green patch of grass. In the center of the banner, the word 'PREVIEW' is written in large, bold, blue and orange letters. Below this, the text 'Please [Sign In](#) or [Sign Up](#) to download the printable version of this worksheet' is written in a dark blue font.

**PREVIEW**

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- A **quadrilateral** has four sides.
  - A parallelogram has two pairs of opposite parallel sides. The sides in each pair are equal in length.
  - A rectangle is a special kind of parallelogram. It has four right angles.
  - A square is a special kind of rectangle. All four sides of a square are equal in length. All four angles are right angles.
  - A rhombus is a parallelogram with four equal sides.

- A **pentagon** has five sides.

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This shape has 4 equal sides.

