Geometry Concepts Unit 2 POLYGONS

By the end of this lesson you should know:

* What the definition of a polygon is
* What makes a shape a true polygon
* What are the basic characteristics of some special polygons
* What a widget and zoid are

You’ve probably heard the word before but have you ever thought about its meaning?

Poly – many

Gon – sides

That’s right, polygon means simply, many sides. Of course there are many kinds of polygons and many shapes that aren’t polygons.

Quick question first. What’s the minimum number of sides that a polygon can have? How about the maximum?

Let’s now talk about widgets and zoids. Give Mr. Cicero your undivided attention. You will be riveted.

Now that you have an idea of how to look for characteristics check the two collections below.



After you’ve looked at the groups above for five minutes, produce your very own definition of a polygon below.

My brilliant definition

Class collective definition

Now for some creativity. Draw 2 figures that are polygons and two that are not. Mix them up and switch papers with a partner. Identify the polygons and non-polygons on your partner’s paper.

Now that you know what a polygon is, let’s make a list of the common types.

|  |  |
| --- | --- |
| Number of Sides | Name |
| 3 |  |
| 4 |  |
| 5 |  |
| 6 |  |
| 7 |  |
| 8 |  |
| 9 |  |
| 10 |  |
| 12 |  |
| n |  |