

Geometry

Angles of Polygons

YAY MATH!

The video introduces these new concepts. Print this sheet and work along with us!

The prefix “poly” means: _____ “gon” means: _____

If a polygon has... 3 sides, it's called a _____

4 sides, it's called a _____

5 sides, it's called a _____

6 sides, it's called a _____

7 sides, it's called a _____

8 sides, it's called a _____

9 sides, it's called a _____

10 sides, it's called a _____

12 sides, it's called a _____

Complete the following:

of sides: 3

name of shape: triangle

sketch:



total
degrees: 180

Total degrees in a decagon:

When a shape has all congruent sides, it's called: _____

Please sketch:

hexagon, with exterior angles:

octagon, with exterior angles:

What is the measure of each exterior angle in a regular hexagon? _____

What is the measure of an interior AND exterior angle of a regular octagon?

Interior: _____

Sketch of regular octagon:

Exterior: _____

And based on each interior angle, what are the TOTAL degrees in our octagon?

Total degrees: _____