| You r | may have heard of 3-D movies. You may have |
|--------------------------------------------------------------|-------------------------------------------------------------------------------------|
| even seen one. The <i>D</i> in 3-D stands for dimensional. A | |
| dimension is a direction that something can be measured. | |
| Flat things can be measured in two ways. They can be | |
| measured by length and by width. That's why flat things | |
| | etimes called 2-D or two-dimensional. Three- |
| | onal things can be measured in three ways. They |
| can be measured by length and width like flat things. | |
| • | n also be measured by their height. Height is |
| | s them come up off the paper or the screen. |
| | e-dimensional shapes in math are called solids. |
| Let's loc | ok at some of the most common solids. |
| | A cube has six square sides. The sides |
| | are called faces. |
| | A rectangular prism has six sides |
| | that are all shaped like rectangles. |
| | A sphere is shaped like Earth. It is also like a playground ball. |
| | . , , |
| | A square pyramid has a square on the bottom, and four triangle-shaped sides. |
| | bottom, and roul triangle-shaped sides. |

| Name: |
|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| Answer the following questions based on the reading passage. Don't forget to go back to the passage whenever necessary to find or confirm your answers. |
| 1) What is a dimension? |
| 2) How can flat, two-dimensional things be measured? |
| 3) What are three-dimensional shapes called in math |
| 4) What shape are the sides of a cube? |
| 5) What does a sphere look like? |
| |

Name: Key

You may have heard of 3-D movies. You may have even seen one. The *D* in 3-D stands for dimensional. A dimension is a direction that something can be measured. Flat things can be measured in two ways. They can be measured by length and by width. That's why flat things are sometimes called 2-D or two-dimensional. Three-dimensional things can be measured in three ways. They can be measured by length and width like flat things. They can also be measured by their height. Height is what lets them come up off the paper or the screen.

Three-dimensional shapes in math are called solids. Let's look at some of the most common solids.



A **cube** has six square sides. The sides are called faces.



A **rectangular prism** has six sides that are all shaped like rectangles.



A **sphere** is shaped like Earth. It is also like a playground ball.

A square **pyramid** has a square on the bottom, and four triangle-shaped sides.



Answer the following questions based on the reading passage. Don't forget to go back to the passage whenever necessary to find or confirm your answers.

1) What is a dimension?

the direction something can

be measured

2) How can flat, two-dimensional things be measured?

length and width

3) What are three-dimensional shapes called in math

solids

4) What shape are the sides of a cube?

squares

5) What does a sphere look like?

like the Earth or a ball