

## Math is Fun!

In chapter 9 we shift gears a little bit and explore geometry. The two-dimensional shapes we will learn are circle, square, rectangle, and triangle. For three-dimensional shapes, we will focus on spheres, cylinders, cubes, and other rectangular prisms.

The chapter starts with 3D shapes. Your child will be given opportunities to describe these solids and compare them to other solids. We will be discussing curved and flat faces and corners. Your child will be seeing which of the solids they are studying roll well, and discussing why. They will also learn that a cube is a special type of a rectangular prism.

After exploring solids, your child will see that some of the 2D shapes we study are visible on some of the 3D shapes. We will learn that the face of a cube is a square, the face of a rectangular prism is a rectangle, and the face of a cylinder is a circle. Your child will also learn that a square is a special type of rectangle.

We will spend lots of time building using the solids in this chapter.

We will also learn positional words, some of which are listed below.

## What can we do at home?

- Point out examples of the shapes and solids named above to your child and ask him or her to name them. Then ask how he or she knows that it is a \_\_\_\_\_. Triangles, especially, will be interesting in this chapter. Your child will learn that a shape is a triangle if it has 3 straight sides and 3 corners. The orientation of the triangle is unimportant.
- Talk about math with your child as often as you talk about literacy. Talk about when you use math in real life.
- Use positional words whenever possible. You may want to add others, such as around, upside down, and through.
- Encourage your child to use the math vocabulary he or she has been learning.
- Read *Color Zoo* by Lois Ehlert to your child and have him or her point out all of the shapes.

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## Vocabulary & Mathematical Terms

- Solid
- Flat
- Sphere
- Curved surface
- Flat surface
- Cylinder
- Rectangular prism
- Face
- Straight
- Edge
- Shape
- Shaped
- Cube
- In front of
- Behind
- Beside
- Inside
- Outside
- On
- Under
- Between
- Next to
- Above
- Below
- Construction
- Building
- Structure
- Rectangle
- Circle
- Square
- Triangle