

Unit 11

Family Letter

Reveal
MATH

Dear Family,

In this unit, *3-Dimensional Shapes*, we will be learning how to identify 3-dimensional shapes and tell where the shapes are located.

STEM Career Kid for this Unit

Hi, I'm Kayla.

Hello! My name is Kayla, and I want to be a landscape architect. Landscape architects use math when they plan different shapes of plants they will include in a landscape design.



What math terms will your child use?

Term	Student Understanding
2-dimensional shape	a shape that has length and width, but not height; also called a flat figure
3-dimensional shape	a shape that has length, width, and height; also called a solid figure
cone	a 3-dimensional shape with a rounded surface and one circular face
cube	a six-sided solid in which all faces are squares
cylinder	a 3-dimensional shape with a rounded surface and two circular faces
sphere	a perfectly round 3-dimensional shape



What can your child do at home?

Encourage your child to identify shapes and their location. Embark on a shape hunt, having your child record a tally mark on a shape list each time a shape is found in your home, the grocery store, or on a walk around the neighborhood.

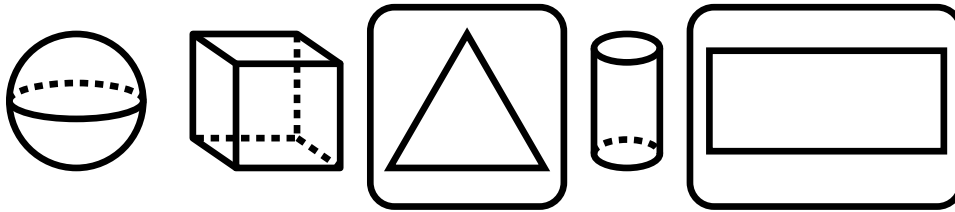
What Will Students Learn in this Unit?

Identifying Shapes and Solids

Your child will learn how to tell the difference between 2-dimensional shapes and 3-dimensional shapes. Your child is encouraged to identify objects as “2-dimensional” or “3-dimensional.”

Example:

Circle the 2-dimensional shapes.

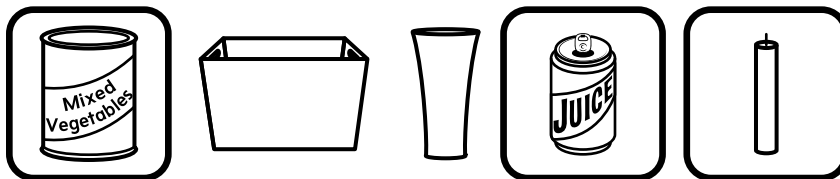


Identifying 3-Dimensional Shapes

Your child will learn to identify and name cubes, spheres, cylinders, and cones.

Example:

Circle the objects shaped like a cylinder.



Telling Where Solids Are

Your child will also learn to tell where solid shapes are located. Students learn how to describe the location of solids using words such as *above*, *behind*, *below*, *beside*, *in front of*, and *next to*.

Example:

Circle the picture that shows the bowling ball above the bowling pin.

