

Dear Family,

In this chapter, your child will work with shapes. Skills your child will practice include:

- identifying angles and triangles
- identifying quadrilaterals
- distinguishing between types of quadrilaterals based on the side lengths and the types of angles

Math Activities

At the end of this chapter, you may want to carry out these activities with your child. The activities will help to support your child as he or she learns shapes.

Activity 1: Angles and shapes

- Encourage your child to find quadrilaterals in magazines. Have your child cut out the shapes and sort them in different ways. Ask the following prompts: How many different ways can you sort them? How many different quadrilaterals can you find?
- Glue quadrilateral cut-outs to index cards so that you and your child can each have a stack of 10-15 of them. At the count of three, you and your child each turn over a card so both of you can see it. The first person to find a way to match the two cards (by angles, side length, etc.) slaps his/her hand on the pair. If the person who slaps the cards can explain how the cards match, he/she gets the pair. If not, the other player gets to try to state how the cards match in order to win the pair. Play until one player loses all cards.



Explain to your child that when two line segments share the same endpoint, they form an angle.

Angle a is a right angle.

Explain to your child that a quadrilateral is a polygon with 4 sides, 4 vertices (the plural form of vertex, the point at which two lines or line segments meet), and 4 angles.