Unit 6, Lesson 3

Specific Side Lengths

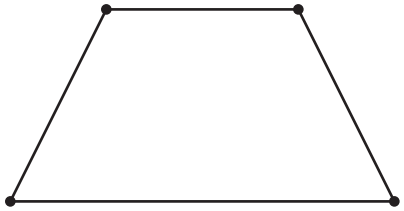
Let's find and draw shapes with specific side lengths.

Warm-up

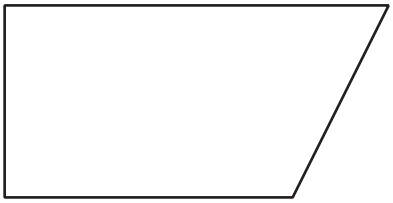
Which Three Go Together: Different Shapes

Which 3 go together?

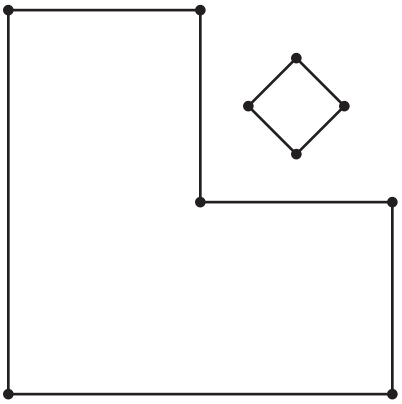
A



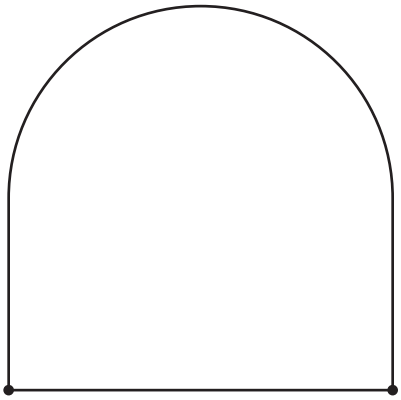
B



C



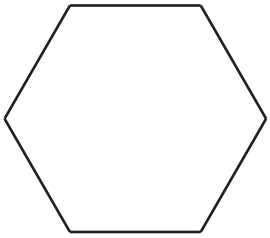
D

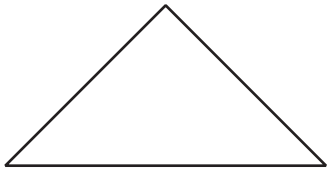


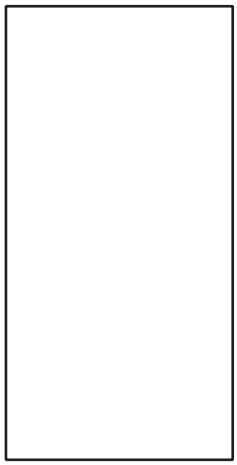
Activity 1

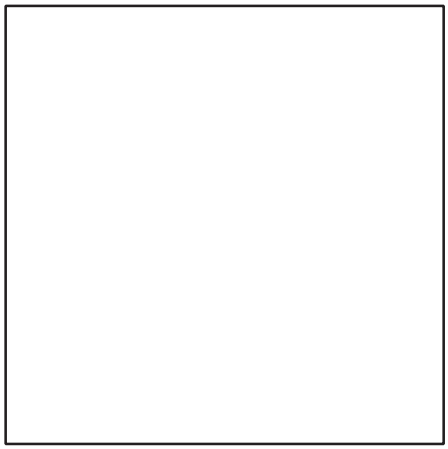
Measure Twice, Draw Once

1. Diego draws a shape with fewer than 5 sides. Two sides are 3 centimeters long. Circle shapes that could be his shape.



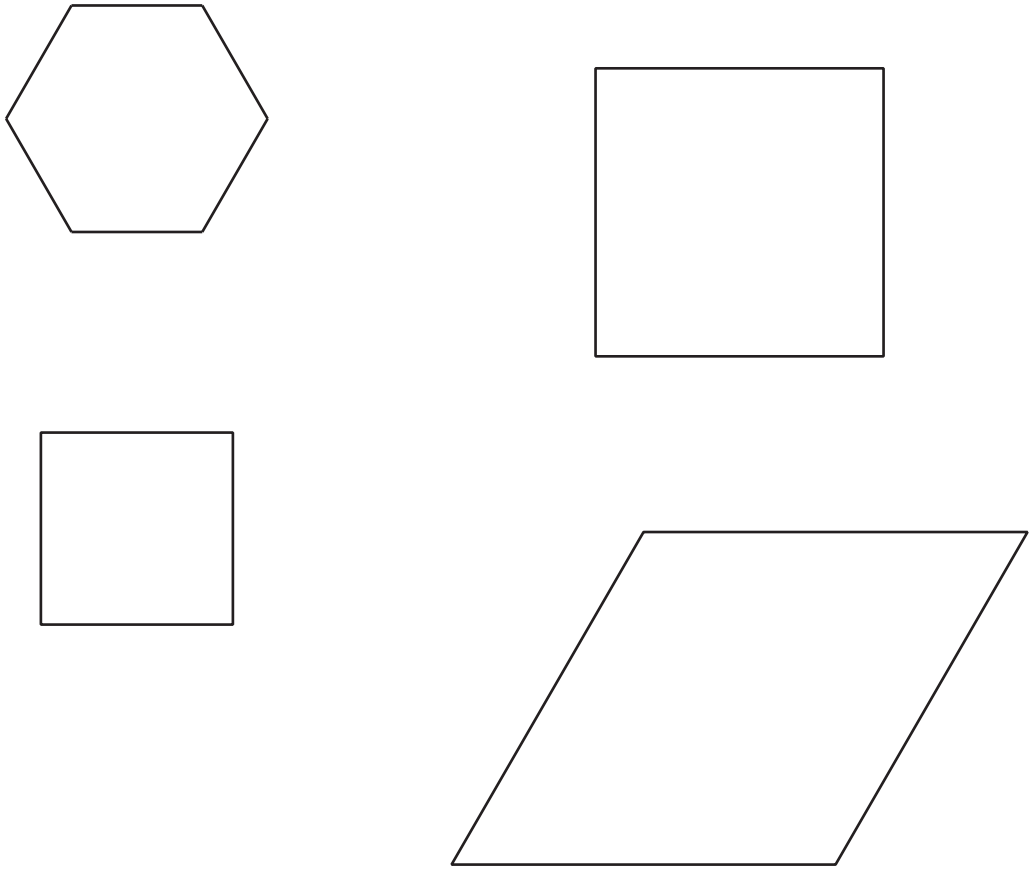






2. Tyler draws a shape with 4 sides. Each side is 2 inches long.

   a. Circle shapes that could be his shape.



   b. Draw another shape that could be Tyler's shape.

3. Priya draws a shape with more sides than Tyler's shape. Only 1 side of her shape is 2 inches long. Draw 2 shapes that could be her shape.

Activity 2

Build a Shape

1. Choose your own attributes. Circle 1 in each row.

sides	3	4	5	6
corners	3	4	5	6
side length	1 side is 2 in.	2 sides are 2 in.	2 sides are 3 in.	4 sides are 2 in.
square corners	0	1	2	all square corners

Draw and name a shape with your attributes. If you can't draw the shape, explain your reasoning.

Shape:

Name: _____

2. Choose new attributes. Circle 1 in each row.

sides	3	4	5	6
corners	3	4	5	6
side length	1 side is 2 in.	2 sides are 2 in.	2 sides are 3 in.	4 sides are 2 in.
square corners	0	1	2	all square corners

Draw and name a shape with your attributes. If you can't draw the shape, explain your reasoning.

Shape:

Name: _____

3. Choose new attributes. Circle 1 in each row.

sides	3	4	5	6
corners	3	4	5	6
side length	1 side is 2 in.	2 sides are 2 in.	2 sides are 3 in.	4 sides are 2 in.
square corners	0	1	2	all square corners

Draw and name a shape with your attributes. If you can't draw the shape, explain your reasoning.

Shape:

Name: _____

4. Cover your attribute table. Trade papers with your partner. Guess which attributes they used.

   If you have time: Are there any attributes that are impossible to put together to make a shape? Show your thinking, using drawings, numbers, or words.