Side Count Sort

Look at each shape and count its straight sides.

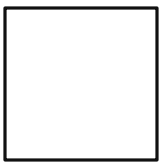
MT.2.G.1 "Recognize and draw shapes having specified attributes."

NAME _____ DATE _____

FOUR STRAIGHT SIDES

Count the straight sides. A shape with exactly four straight sides belongs here.

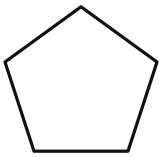
This shape has four straight sides.



NOT FOUR STRAIGHT SIDES

A shape with a different number of straight sides belongs here.

This shape has five straight sides.



1 SORT

8 items

For each figure, circle FOUR or OTHER after you count its straight sides.

1.



Figure 1

FOUR OTHER

2.

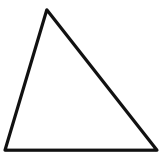


Figure 2

FOUR OTHER

3.

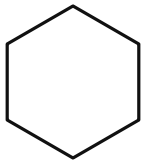


Figure 3

FOUR **OTHER**

4.

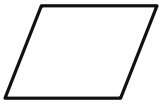


Figure 4

FOUR **OTHER**

5.

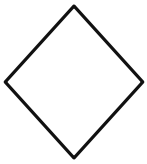


Figure 5

FOUR **OTHER**

6.

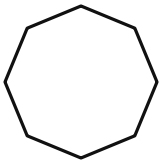


Figure 6

FOUR **OTHER**

7.

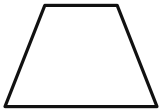


Figure 7

FOUR **OTHER**

8.

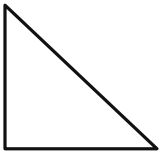


Figure 8

FOUR **OTHER**

2 PROVE IT

Explain your thinking

Pick two items from Part 1. For each one, tell how you knew where it belonged.

ITEM # _____ **HOW I KNEW** _____

ITEM # _____ **HOW I KNEW** _____

3 MAKE YOUR OWN

One of each

Draw one new shape for FOUR and one new shape for OTHER. Write the name of each shape.

FOUR _____

OTHER _____

CHALLENGE

Draw a shape with four straight sides and at least one square corner. Explain why it belongs in FOUR.

ANSWER KEY

Side Count Sort

GRADE 2 · MT.2.G.1

PART 1 · SORT

#	ITEM	CATEGORY	WHY
1	Figure 1 (rectangle)	**FOUR**	A rectangle has four straight sides.
2	Figure 2 (triangle)	**OTHER**	A triangle has three straight sides.
3	Figure 3 (hexagon)	**OTHER**	A hexagon has six straight sides.
4	Figure 4 (parallelogram)	**FOUR**	A parallelogram has four straight sides.
5	Figure 5 (rhombus)	**FOUR**	A rhombus has four straight sides.
6	Figure 6 (octagon)	**OTHER**	An octagon has eight straight sides.
7	Figure 7 (trapezoid)	**FOUR**	A trapezoid has four straight sides.
8	Figure 8 (right_triangle)	**OTHER**	This shape has three straight sides.

PART 2 · PROVE IT

Accept any explanation that names the deciding feature from the rule box for the chosen item.

PART 3 · MAKE YOUR OWN (SAMPLE ANSWERS)

- **FOUR**: Kite
- **OTHER**: Circle

Challenge: A right trapezoid with two square corners. It belongs in FOUR because it has four straight sides.

For Part 2, students choose two figures and explain each choice by counting its straight sides. For Part 3, accept any correctly drawn shapes that fit the categories.