Side by Side

Sort shapes by their straight sides.

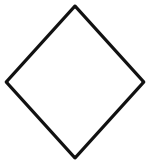
2.GM.1.2 "Describe, compare, and classify two-dimensional figures according to their geometric attributes."

NAME _____ DATE _____

FOUR SIDES

A shape in this group has exactly 4 straight sides.

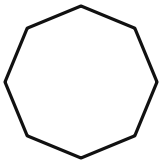
A rhombus has 4 straight sides.



NOT FOUR SIDES

A shape in this group does not have exactly 4 straight sides.

An octagon has 8 straight sides.



1 SORT

8 items

For Part 1, circle FOUR or OTHER for each figure, and for Part 2, choose two figures and tell how you know where each belongs.

1.

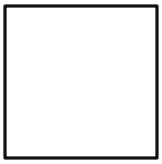


Figure 1

FOUR OTHER

2.



Figure 2

FOUR OTHER

3.

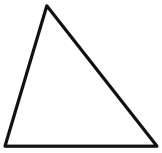


Figure 3

FOUR OTHER

4.

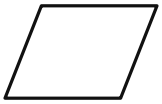


Figure 4

FOUR OTHER

5.

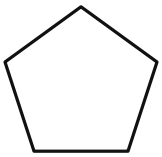


Figure 5

FOUR OTHER

6.

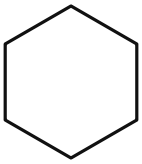


Figure 6

FOUR OTHER

7.

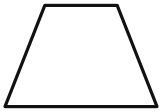


Figure 7

FOUR OTHER

8.

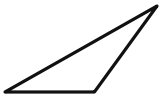


Figure 8

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

For Part 3, draw one new shape for each group, then write each shape's name and number of sides.

FOUR

OTHER

CHALLENGE

Pick two FOUR figures from Part 1, and write one way they are alike and one way they are different.

ANSWER KEY # Side by Side

GRADE 2 · 2.GM.1.2

PART 1 · SORT

#	ITEM	CATEGORY	WHY
1	Figure 1 (square)	**FOUR**	A square has 4 straight sides.
2	Figure 2 (rectangle)	**FOUR**	A rectangle has 4 straight sides.
3	Figure 3 (triangle)	**OTHER**	A triangle has 3 straight sides.
4	Figure 4 (parallelogram)	**FOUR**	A parallelogram has 4 straight sides.
5	Figure 5 (pentagon)	**OTHER**	A pentagon has 5 straight sides.
6	Figure 6 (hexagon)	**OTHER**	A hexagon has 6 straight sides.
7	Figure 7 (trapezoid)	**FOUR**	A trapezoid has 4 straight sides.
8	Figure 8 (obtuse_triangle)	**OTHER**	This triangle has 3 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**: a kite with 4 straight sides.
- **OTHER**: a right triangle with 3 straight sides.

Challenge: Figures 1 and 2 both have 4 straight sides. Figure 1 has 4 equal sides, but Figure 2 has 2 long sides and 2 short sides.

For Part 2, accept any two figures with the correct side counts. For Part 3, accept any new shapes drawn and named with the correct number of sides.