Four Sides Sort

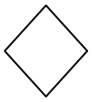
Look closely at each shape's sides.

MA.3.GR.1.2 "Identify and draw quadrilaterals based on their defining attributes. Quadrilaterals include parallelograms, rhombi, rectangles, squares and trapezoids."

NAME _____ DATE _____

QUADRILATERAL

A quadrilateral is a closed shape with exactly 4 straight sides.

A rhombus 

NOT A QUADRILATERAL

This shape does not have exactly 4 straight sides.

A semicircle 

1 SORT

8 items

For each figure, circle FOUR SIDES or NOT FOUR.

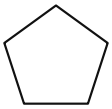
1. 

Figure 1

FOUR SIDES | NOT FOUR

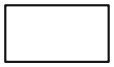
2. 

Figure 2

FOUR SIDES | NOT FOUR

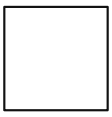
3. 

Figure 3

FOUR SIDES | NOT FOUR

4. 

Figure 4

FOUR SIDES | NOT FOUR

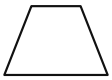
5. 

Figure 5

FOUR SIDES | NOT FOUR

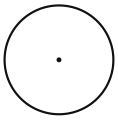
6. 

Figure 6

FOUR SIDES | NOT FOUR

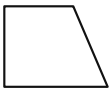
7. 

Figure 7

FOUR SIDES | NOT FOUR

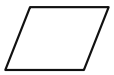
8. 

Figure 8

FOUR SIDES | NOT FOUR

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

Part 2, choose two figures, one from each group, and explain how you knew where each one belongs. Part 3, write one new example for FOUR SIDES and one new example for NOT FOUR.

FOUR SIDES _____

NOT FOUR _____

CHALLENGE

Draw a quadrilateral that is not a square. Then write one sentence that tells why it belongs in FOUR SIDES.

ANSWER KEY

Four Sides Sort

GRADE 3 · MA.3.GR.1.2

PART 1 · SORT

#	ITEM	CATEGORY	WHY
1	Figure 1 (pentagon)	**NOT FOUR**	A pentagon has 5 straight sides.
2	Figure 2 (rectangle)	**FOUR SIDES**	A rectangle has 4 straight sides.
3	Figure 3 (square)	**FOUR SIDES**	A square has 4 straight sides.
4	Figure 4 (triangle)	**NOT FOUR**	A triangle has 3 straight sides.
5	Figure 5 (trapezoid)	**FOUR SIDES**	A trapezoid has 4 straight sides.
6	Figure 6 (circle)	**NOT FOUR**	A circle has no straight sides.
7	Figure 7 (right_trapezoid)	**FOUR SIDES**	A right trapezoid has 4 straight sides.
8	Figure 8 (parallelogram)	**FOUR SIDES**	A parallelogram has 4 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 SIDES**: a kite
- **NOT FOUR**: an octagon

Challenge: A slanted rhombus. It belongs in FOUR SIDES because it has 4 straight sides.

Accept any correct explanation that counts the shape's straight sides. For the challenge, accept any non-square quadrilateral with 4 straight sides and a matching explanation.