Four-Side Search

Find the shapes that share four straight sides.

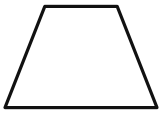
3.GR.B.5 "Explain that shapes in different categories (e.g., rhombuses, rectangles, and others) may share attributes (e.g., having four sides), and that the shared attributes can define a larger category of shapes (e.g., quadrilaterals)."

NAME _____ DATE _____

QUADRILATERAL

A quadrilateral is a closed, flat shape with four straight sides. Shapes can look different and still belong to this group.

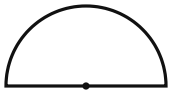
This shape has four straight sides.



NOT A QUADRILATERAL

A shape belongs here if it does not have exactly four straight sides.

This shape has a curved side.



1 SORT

8 items

Circle FOUR or OTHER for each figure, then choose one figure from each group in Part 2 and explain how you knew where each belongs.

1.

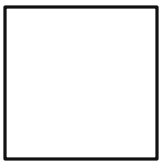


Figure 1

FOUR OTHER

2.

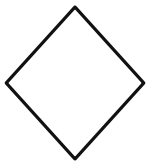


Figure 2

FOUR OTHER

3.

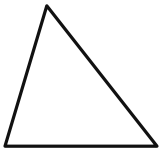


Figure 3

FOUR OTHER

4.



Figure 4

FOUR OTHER

5.

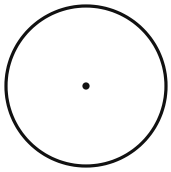


Figure 5

FOUR OTHER

6.

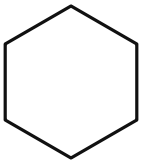


Figure 6

FOUR OTHER

7.

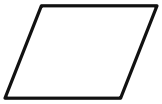


Figure 7

FOUR OTHER

8.

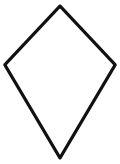


Figure 8

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

Draw one new shape for FOUR and one new shape for OTHER, and label each with its group name.

FOUR

OTHER

CHALLENGE

Choose two different-looking figures from FOUR, name both shapes, and explain what makes them part of the same group.

ANSWER KEY

Four-Side Search

GRADE 3 · 3.GR.B.5

PART 1 · SORT

#	ITEM	CATEGORY	WHY
1	Figure 1 (square)	**FOUR**	A square has four straight sides.
2	Figure 2 (rhombus)	**FOUR**	A rhombus has four straight sides.
3	Figure 3 (triangle)	**OTHER**	A triangle has three sides.
4	Figure 4 (rectangle)	**FOUR**	A rectangle has four straight sides.
5	Figure 5 (circle)	**OTHER**	A circle has no straight sides.
6	Figure 6 (hexagon)	**OTHER**	A hexagon has six sides.
7	Figure 7 (parallelogram)	**FOUR**	A parallelogram has four straight sides.
8	Figure 8 (kite)	**FOUR**	A kite has four 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 drawing of a closed shape with four straight sides and one inward-pointing corner, labeled FOUR.
- **OTHER**: A drawing of a seven-sided shape, labeled OTHER.

Challenge: Figure 1 is a square, and Figure 8 is a kite. Both have four straight sides, so both are quadrilaterals.

For Part 2, accept one figure from each group with an accurate explanation about its sides. In Part 3, accept any new drawings that fit their labels.