Shape Pattern Pairs

Sort shapes, explain two choices, then build a pattern.

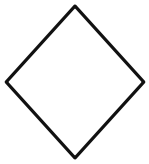
2.A.1.2 "Represent and describe repeating patterns involving shapes in a variety of contexts."

NAME _____ DATE _____

FOUR SIDES

This shape has four straight sides. It can be the first shape in a repeating pair.

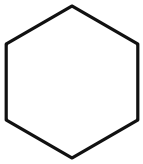
This shape has four sides.



NOT FOUR SIDES

This shape does not have four straight sides. It can be the second shape in a repeating pair.

This shape has six sides.



1 SORT

8 items

Look at each figure and circle FOUR or OTHER.

1.

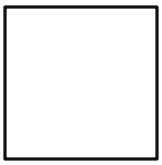


Figure 1

FOUR OTHER

2.



Figure 2

FOUR OTHER

3.

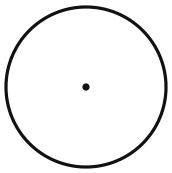


Figure 3

FOUR **OTHER**

4.

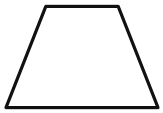


Figure 4

FOUR **OTHER**

5.

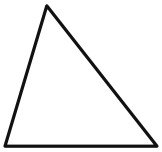


Figure 5

FOUR **OTHER**

6.

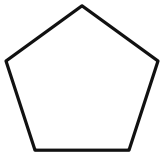


Figure 6

FOUR **OTHER**

7.

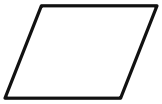


Figure 7

FOUR **OTHER**

8.

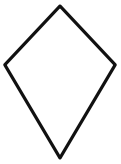


Figure 8

FOUR **OTHER**

2 PROVE IT

Explain your thinking

Pick one figure from each group and write how you knew where each belonged.

ITEM # _____ **HOW I KNEW** _____

ITEM # _____ **HOW I KNEW** _____

3 MAKE YOUR OWN

One of each

Draw one new shape for each group.

FOUR

OTHER

CHALLENGE

Write the shape names in an eight-shape repeating pattern. Use one shape from each group, then name the two shapes that repeat.

ANSWER KEY

Shape Pattern Pairs

GRADE 2 · 2.A.1.2

PART 1 · SORT

#	ITEM	CATEGORY	WHY
1	Figure 1 (square)	**FOUR**	A square has four sides.
2	Figure 2 (rectangle)	**FOUR**	A rectangle has four sides.
3	Figure 3 (circle)	**OTHER**	A circle has no straight sides.
4	Figure 4 (trapezoid)	**FOUR**	A trapezoid has four sides.
5	Figure 5 (triangle)	**OTHER**	A triangle has three sides.
6	Figure 6 (pentagon)	**OTHER**	A pentagon has five sides.
7	Figure 7 (parallelogram)	**FOUR**	A parallelogram has four sides.
8	Figure 8 (kite)	**FOUR**	A kite has four sides.

PART 2 · PROVE IT

Task: Pick one figure from each group and write how you knew where each belonged.
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 tall rectangle for FOUR.
- **OTHER**: An oval for OTHER.

Challenge: Square, circle, square, circle, square, circle, square, circle. Square and circle repeat.

For Part 2, accept explanations that correctly count straight sides. For the challenge, the same two shapes must repeat in the same order four times.