Corner Detectives

Sort four-sided shapes by their corners.

3.G.A.26.a "Draw examples of quadrilaterals that are and are not rhombuses, rectangles, and squares."

NAME _____ DATE _____

RECTANGLE

A rectangle has four straight sides and four square corners. A square is also a rectangle.

This wide shape has four square corners.



NOT A RECTANGLE

This shape has four straight sides, but it does not have four square corners.

This leaning shape does not have four square corners.



1 SORT

8 items

Circle the group for each figure, then choose one figure from each group and explain how you know where each belongs.

1.

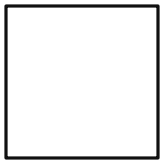


Figure 1

RECTANGLE OTHER

2.

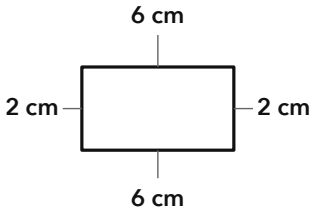


Figure 2

RECTANGLE OTHER

3.

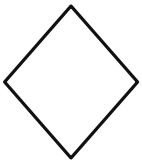


Figure 3

RECTANGLE **OTHER**

4.

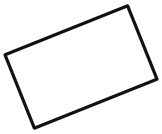


Figure 4

RECTANGLE **OTHER**

5.

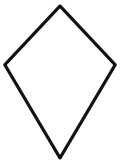


Figure 5

RECTANGLE **OTHER**

6.

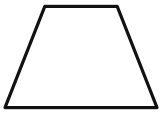


Figure 6

RECTANGLE **OTHER**

7.



Figure 7

RECTANGLE **OTHER**

8.

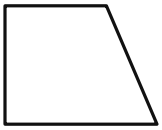


Figure 8

RECTANGLE **OTHER**

2 PROVE IT

Explain your thinking

Choose one figure from each group and explain how you know where each belongs.

ITEM # _____ **HOW I KNEW** _____

ITEM # _____ **HOW I KNEW** _____

3 MAKE YOUR OWN

One of each

Draw one new four-sided shape for each group, and write the group name beside each shape.

RECTANGLE

OTHER

CHALLENGE

Draw a four-sided shape that is both a rhombus and a rectangle, and explain why it fits both names.

ANSWER KEY # Corner Detectives

GRADE 3 · 3.G.A.26.a

PART 1 · SORT

#	ITEM	CATEGORY	WHY
1	Figure 1 (square)	**RECTANGLE**	A square has four square corners, so it is a rectangle.
2	Figure 2 (rectangle)	**RECTANGLE**	It has four square corners.
3	Figure 3 (polygon)	**OTHER**	Its four sides are equal, but its corners are not square.
4	Figure 4 (polygon)	**RECTANGLE**	Even though it is tilted, all four corners are square.
5	Figure 5 (kite)	**OTHER**	It does not have four square corners.
6	Figure 6 (trapezoid)	**OTHER**	It does not have four square corners.
7	Figure 7 (polygon)	**RECTANGLE**	Its tall shape still has four square corners.
8	Figure 8 (right_trapezoid)	**OTHER**	It has some square corners, but not four.

PART 2 · PROVE IT

Task: Choose one figure from each group and explain how you know where each belongs.
Accept any explanation that names the deciding feature from the rule box for the chosen item.

PART 3 · MAKE YOUR OWN (SAMPLE ANSWERS)

- **RECTANGLE**: A 5 cm by 3 cm shape with four square corners, labeled Rectangle.
- **OTHER**: A slanted parallelogram with no square corners, labeled Not a rectangle.

Challenge: A square with four equal sides and four square corners. Its equal sides make it a rhombus, and its square corners make it a rectangle.

For Part 2, accept explanations that identify whether each chosen figure has four square corners. A tilted rectangle remains a rectangle, and a square belongs in the Rectangle group.