Side Count Sort

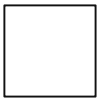
Sort by side count, prove two choices, and draw.

MA.2.GR.1.1 "Identify and draw two-dimensional figures based on their defining attributes. Figures are limited to triangles, rectangles, squares, pentagons, hexagons and octagons."

NAME _____ DATE _____

HAS 4 SIDES

A figure in this group has exactly 4 straight sides. Count each side once.

A square 

NOT 4 SIDES

A figure in this group does not have exactly 4 straight sides. It may have fewer or more sides.

A triangle 

1 SORT

8 items

For each figure, circle FOUR SIDES or NOT FOUR, then choose two figures and explain how counting the sides helped you decide.

1. 

Figure 1

FOUR SIDES | NOT FOUR

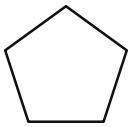
2. 

Figure 2

FOUR SIDES | NOT FOUR

3. 

Figure 3

FOUR SIDES | NOT FOUR

4. 

Figure 4

FOUR SIDES | NOT FOUR

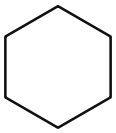
5. 

Figure 5

FOUR SIDES | NOT FOUR

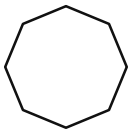
6. 

Figure 6

FOUR SIDES | NOT FOUR

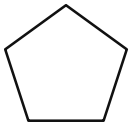
7. 

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

Draw and label one new figure for FOUR SIDES and one new figure for NOT FOUR. You may use a kind of figure from this page, but make each drawing your own.

FOUR SIDES

NOT FOUR

CHALLENGE

Draw two different figures from the NOT FOUR group. Write how many sides each figure has.

ANSWER KEY

Side Count Sort

GRADE 2 · MA.2.GR.1.1

PART 1 · SORT

#	ITEM	CATEGORY	WHY
1	Figure 1 (rectangle)	**FOUR SIDES**	A rectangle has 4 sides.
2	Figure 2 (pentagon)	**NOT FOUR**	A pentagon has 5 sides.
3	Figure 3 (rectangle)	**FOUR SIDES**	A rectangle has 4 sides.
4	Figure 4 (rectangle)	**FOUR SIDES**	A rectangle has 4 sides.
5	Figure 5 (hexagon)	**NOT FOUR**	A hexagon has 6 sides.
6	Figure 6 (octagon)	**NOT FOUR**	An octagon has 8 sides.
7	Figure 7 (pentagon)	**NOT FOUR**	A pentagon has 5 sides.
8	Figure 8 (rectangle)	**FOUR SIDES**	A rectangle has 4 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**: Draw a square with sides that are each 2 cm long.
- **NOT FOUR**: Draw a hexagon with 6 straight sides.

Challenge: Draw a triangle and an octagon. A triangle has 3 sides. An octagon has 8 sides.

Items 1, 3, 4, and 8 are FOUR SIDES. Items 2, 5, 6, and 7 are NOT FOUR. Accept correctly drawn figures from the allowed figure types and explanations that accurately count the sides.