

Four Sides or Other

Sort shapes by their number of straight sides.

CCSS.Math.Content.3.G.A "Reason with shapes and their attributes."

NAME _____

DATE _____

FOUR-SIDED SHAPE

A FOUR-SIDED shape is closed and has exactly 4 straight sides. It has 4 corners.

A four-sided garden bed belongs here.

OTHER SHAPE

An OTHER shape is not a closed shape with exactly 4 straight sides. It may have a different number of sides or a curved edge.

A round plate belongs here.

1 SORT _____ 8 items

Circle FOUR-SIDED or OTHER for each item, then choose two items and explain which side-count clue helped you sort each one.

1. A square

FOUR-SIDED

OTHER

2. A triangle

FOUR-SIDED

OTHER

3. A rectangle

FOUR-SIDED

OTHER

4. A trapezoid

FOUR-SIDED

OTHER

5. A pentagon

FOUR-SIDED

OTHER

6. A rhombus

FOUR-SIDED

OTHER

7. A circle

FOUR-SIDED

OTHER

8. A parallelogram

FOUR-SIDED

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

Write one new FOUR-SIDED example and one new OTHER example.

FOUR-SIDED _____

OTHER _____

CHALLENGE

Draw two different FOUR-SIDED shapes. Write one way they are alike and one way they are different.

PART 1 • SORT

#	ITEM	CATEGORY	WHY
1	A square	FOUR-SIDED	A square has 4 straight sides and 4 corners.
2	A triangle	OTHER	A triangle has 3 straight sides.
3	A rectangle	FOUR-SIDED	A rectangle has 4 straight sides and 4 corners.
4	A trapezoid	FOUR-SIDED	A trapezoid is a quadrilateral with 4 straight sides.
5	A pentagon	OTHER	A pentagon has 5 straight sides.
6	A rhombus	FOUR-SIDED	A rhombus has 4 straight sides and 4 corners.
7	A circle	OTHER	A circle has a curved edge, not 4 straight sides.
8	A parallelogram	FOUR-SIDED	A parallelogram has 4 straight sides and 4 corners.

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-SIDED:** A kite.
- **OTHER:** An octagon.

Challenge: I drew a kite and an irregular quadrilateral. Both have 4 straight sides and 4 corners. The kite has two pairs of equal sides next to each other, while the irregular quadrilateral has no equal sides.

Items 1, 3, 4, 6, and 8 are FOUR-SIDED. Items 2, 5, and 7 are OTHER. Accept any correct new examples and comparisons that use shape attributes.