

Shape Name Hunt

Count sides to sort each shape.

3.MG.4.c "Identify and describe triangles, quadrilaterals, pentagons, hexagons, and octagons in various orientations, with and without contexts."

NAME _____

DATE _____

NAMED SHAPES

A triangle, quadrilateral, pentagon, hexagon, or octagon is closed and has only straight sides. Count the sides, even when the shape is turned.

The outline of a yield sign is a triangle.

OTHER SHAPES

An open shape, a shape with a curved side, or a closed shape with another number of sides does not match one of these names.

A coin outline is not one of these shapes because it is curved.

1 SORT _____ 8 items

For each item, circle MATCHES or OTHER, then choose two items and explain how you knew.

1. A closed shape turned sideways, with 6 straight sides.

MATCHES

OTHER

2. A closed shape with 3 straight sides.

MATCHES

OTHER

3. A closed shape with 4 straight sides and 1 curved side.

MATCHES

OTHER

4. A closed shape with 8 straight sides.

MATCHES

OTHER

5. An open path made from 5 straight segments.

MATCHES

OTHER

6. A closed shape with 7 straight sides.

MATCHES

OTHER

7. A square turned like a diamond, with 4 straight sides.

MATCHES

OTHER

8. A closed shape with 5 straight sides.

MATCHES

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 example that MATCHES and one new example that is OTHER.

MATCHES _____

OTHER _____

CHALLENGE

A closed shape has 8 straight sides but is upside down. Write its name and explain why turning it does not change its name.

PART 1 • SORT

#	ITEM	CATEGORY	WHY
1	A closed shape turned sideways, with 6 straight sides.	MATCHES	A closed shape with 6 straight sides is a hexagon.
2	A closed shape with 3 straight sides.	MATCHES	A closed shape with 3 straight sides is a triangle.
3	A closed shape with 4 straight sides and 1 curved side.	OTHER	It has a curved side, so it is not one of the named shapes.
4	A closed shape with 8 straight sides.	MATCHES	A closed shape with 8 straight sides is an octagon.
5	An open path made from 5 straight segments.	OTHER	The segments do not make a closed shape.
6	A closed shape with 7 straight sides.	OTHER	A 7-sided shape is not one of the named shapes in this sort.
7	A square turned like a diamond, with 4 straight sides.	MATCHES	A square is a quadrilateral because it has 4 straight sides.
8	A closed shape with 5 straight sides.	MATCHES	A closed shape with 5 straight sides is a pentagon.

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)

- **MATCHES:** A rectangle is a quadrilateral with 4 straight sides.
- **OTHER:** A closed shape with 9 straight sides.

Challenge: It is an octagon. Turning it does not change its 8 straight sides.

Items 1, 2, 4, 7, and 8 are MATCHES. Items 3, 5, and 6 are OTHER. Accept explanations that correctly use closed, straight sides, and the number of sides.