Flat or Solid?

Sort shapes by whether they are flat or solid.

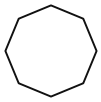
2.GSR.7.1 "Describe, compare and sort 2-D shapes including polygons, triangles, quadrilaterals, pentagons, hexagons, and 3-D shapes including rectangular prisms and cones, given a set of attributes."

NAME _____ DATE _____

FLAT SHAPE

Flat shapes have length and width. You can draw them on paper.

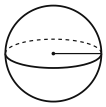
An octagon is flat.



SOLID SHAPE

Solid shapes have length, width, and height. They take up space.

A sphere is solid.



1 SORT

8 items

Part 1 SORT: Look at each figure and circle FLAT or SOLID.

1.



Figure 1

FLAT SOLID

2.



Figure 2

FLAT SOLID

3.

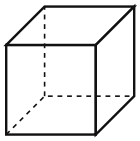


Figure 3

FLAT SOLID

4.

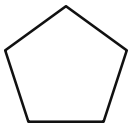


Figure 4

FLAT SOLID

5.

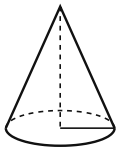


Figure 5

FLAT SOLID

6.

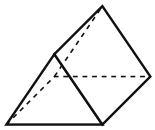


Figure 6

FLAT SOLID

7.

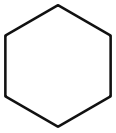


Figure 7

FLAT SOLID

8.

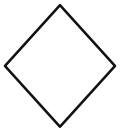


Figure 8

FLAT SOLID

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

Part 2 PROVE IT: Pick two figure numbers, one FLAT and one SOLID. Tell how you knew where each figure belongs. Part 3 MAKE YOUR OWN: Write one new FLAT example and one new SOLID example.

FLAT _____

SOLID _____

CHALLENGE

A shape has 6 square faces. Is it FLAT or SOLID? Explain how you know.

ANSWER KEY

Flat or Solid?

GRADE 2 · 2.GSR.7.1

PART 1 · SORT

#	ITEM	CATEGORY	WHY
1	Figure 1 (triangle)	**FLAT**	A triangle is a flat, 2-D shape.
2	Figure 2 (rectangle)	**FLAT**	A rectangle is a flat, 2-D shape.
3	Figure 3 (cube)	**SOLID**	A cube is a solid with length, width, and height. It is a special rectangular prism.
4	Figure 4 (pentagon)	**FLAT**	A pentagon is a flat, 2-D shape.
5	Figure 5 (cone)	**SOLID**	A cone is a solid that takes up space.
6	Figure 6 (triangular_prism)	**SOLID**	A triangular prism is a solid with length, width, and height.
7	Figure 7 (hexagon)	**FLAT**	A hexagon is a flat, 2-D shape.
8	Figure 8 (rhombus)	**FLAT**	A rhombus is a flat, 2-D shape.

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)

- **FLAT**: A trapezoid.
- **SOLID**: A pyramid.

Challenge: It is a cube, so it is SOLID. It has length, width, and height.

Part 1 answers are 1 FLAT, 2 FLAT, 3 SOLID, 4 FLAT, 5 SOLID, 6 SOLID, 7 FLAT, 8 FLAT. For Part 2, accept explanations that identify flat shapes as having length and width and solid shapes as having length, width, and height.