

Flat or Solid?

Sort figures by the dimensions they have.

MA.5.GR.1 "Classify two-dimensional figures and three-dimensional figures based on defining attributes."

NAME _____

DATE _____

FLAT FIGURE

A flat figure has length and width. It does not have thickness.

octagon

SOLID FIGURE

A solid figure has length, width, and height. It takes up space.

pyramid

1 SORT

8 items

Read each figure name and circle FLAT or SOLID.

1. triangle

FLAT

SOLID

2. rectangular prism

FLAT

SOLID

3. sphere

FLAT

SOLID

4. hexagon

FLAT

SOLID

5. rectangle

FLAT

SOLID

6. cone

FLAT

SOLID

7. trapezoid

FLAT

SOLID

8. rhombus

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

Write one new example of a FLAT figure and one new example of a SOLID figure.

FLAT _____

SOLID _____

CHALLENGE

Choose a figure not listed above. Write whether it is FLAT or SOLID and name the dimensions that prove your choice.

PART 1 • SORT

#	ITEM	CATEGORY	WHY
1	triangle	FLAT	A triangle is a two-dimensional figure with length and width.
2	rectangular prism	SOLID	A rectangular prism has length, width, and height.
3	sphere	SOLID	A sphere is a three-dimensional solid that takes up space.
4	hexagon	FLAT	A hexagon is a two-dimensional figure with length and width.
5	rectangle	FLAT	A rectangle is a two-dimensional figure with length and width.
6	cone	SOLID	A cone is a three-dimensional solid that takes up space.
7	trapezoid	FLAT	A trapezoid is a two-dimensional figure with length and width.
8	rhombus	FLAT	A rhombus is a two-dimensional figure with length and width.

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:** parallelogram
- **SOLID:** cylinder

Challenge: A triangular prism is SOLID because it has length, width, and height.

Accept any correctly classified figures that are not already listed on the worksheet. For the challenge, students should name the figure, classify it, and give matching dimensions.