

Flat or Solid?

Sort shapes by what they are.

2.MG.4 "The student will describe, name, compare, and contrast plane and solid figures (circles/spheres, squares/cubes, and rectangles/rectangular prisms)..."

NAME _____

DATE _____

FLAT SHAPES

Flat shapes have length and width. They can be drawn on paper.

A triangle is flat.

SOLID SHAPES

Solid shapes take up space. You can hold or build them.

A cone is solid.

1 SORT _____ 8 items

Part 1, SORT: Circle FLAT or SOLID for each item, then Part 2, PROVE IT: Choose two items and explain how you knew.

- | | | |
|---|----------------------------|-----------------------------|
| 1. A square | ☐ FLAT | ☐ SOLID |
| <hr/> | | |
| 2. A rectangle | ☐ FLAT | ☐ SOLID |
| <hr/> | | |
| 3. A sphere | ☐ FLAT | ☐ SOLID |
| <hr/> | | |
| 4. A circle | ☐ FLAT | ☐ SOLID |
| <hr/> | | |
| 5. A cube | ☐ FLAT | ☐ SOLID |
| <hr/> | | |
| 6. A rectangular prism | ☐ FLAT | ☐ SOLID |
| <hr/> | | |
| 7. A solid with 6 square faces | ☐ FLAT | ☐ SOLID |
| <hr/> | | |
| 8. A flat shape with 4 sides and 4 right angles | ☐ FLAT | ☐ SOLID |
| <hr/> | | |

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 3, MAKE YOUR OWN: Write one new FLAT example and one new SOLID example.

FLAT _____

SOLID _____

CHALLENGE

Challenge: A cube has 6 faces. What flat shape would you make by tracing one face? Write the shape name.

PART 1 • SORT

#	ITEM	CATEGORY	WHY
1	A square	FLAT	A square is a flat plane figure.
2	A rectangle	FLAT	A rectangle is a flat plane figure.
3	A sphere	SOLID	A sphere is a solid figure that takes up space.
4	A circle	FLAT	A circle is a flat plane figure.
5	A cube	SOLID	A cube is a solid figure with six square faces.
6	A rectangular prism	SOLID	A rectangular prism is a solid figure with faces.
7	A solid with 6 square faces	SOLID	This describes a cube, which is solid.
8	A flat shape with 4 sides and 4 right angles	FLAT	This describes a rectangle, which is flat.

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:** an oval
- **SOLID:** a cylinder

Challenge: square

For Part 2, accept explanations that identify a flat shape as drawn on paper or a solid shape as taking up space. For Part 3, accept any accurate flat and solid figure examples.