

# Solid Clue Hunt

Teacher-read clues help students identify solids and count their faces.

**1.6.E** “identify three-dimensional solids, including spheres, cones, cylinders, rectangular prisms (including cubes), and triangular prisms, and describe their attributes using formal geometric language;”

NAME \_\_\_\_\_

DATE \_\_\_\_\_

Teacher: this page is run aloud. The script and answers are on the guide page.

## 1 NAME IT \_\_\_\_\_

|   |          |        |          |
|---|----------|--------|----------|
| a | sphere   | cone   | cylinder |
| b | cylinder | cube   | cone     |
| c | cube     | sphere | cylinder |
| d | cone     | cube   | sphere   |

## 2 COUNT FACES \_\_\_\_\_

|   |           |                |                  |
|---|-----------|----------------|------------------|
| a | ● ● ● ●   | ● ● ● ● ●      | ● ● ● ● ●<br>●   |
| b | ● ● ● ● ● | ● ● ● ● ●<br>● | ● ● ● ● ●<br>● ● |

**HOW TO RUN THIS PAGE**

Read each clue aloud, then read the choices in that row. Students listen for formal geometry words such as faces, edges, and vertices, then circle one answer.

Students never read directions on this sheet. Read each part's script aloud, then each prompt, giving think time before students mark.

**PART 1 • NAME IT**

**SAY** “Will you listen to each solid clue and circle one word in every row? I will read the words in each row before I ask the clue.”

| ROW | SAY                                                                                                          | STUDENTS CIRCLE |
|-----|--------------------------------------------------------------------------------------------------------------|-----------------|
| a   | The words are sphere, cone, cylinder. Which word names a solid with no flat faces, edges, or vertices?       | <b>sphere</b>   |
| b   | The words are cylinder, cube, cone. Which word names a solid with one flat circular face and one vertex?     | <b>cone</b>     |
| c   | The words are cube, sphere, cylinder. Which word names a solid with two flat circular faces and no vertices? | <b>cylinder</b> |
| d   | The words are cone, cube, sphere. Which word names a rectangular prism with six square faces?                | <b>cube</b>     |

**PART 2 • COUNT FACES**

**SAY** “Will you listen to each question and circle the group of dots that shows the answer? Look carefully at how many dots are in each group.”

| ROW | SAY                                                                                                                        | STUDENTS CIRCLE |
|-----|----------------------------------------------------------------------------------------------------------------------------|-----------------|
| a   | A triangular prism has two triangular faces and three rectangular faces. Which dots show how many faces it has altogether? | <b>5 dots</b>   |
| b   | Think of a rectangular prism, including a cube. Which dots show its number of faces?                                       | <b>6 dots</b>   |

**WHAT TO ACCEPT**

Part 1 answers are sphere, cone, cylinder, and cube. Part 2 answers are 5 and 6; accept a clearly circled dot group.