## **CCSS Mathematics Assessment Task**

Comparing 3-D Shapes

Grade Level: Kindergarten

Mathematics Domain and Cluster:

Domain: Geometry

Cluster: Analyze, compare, create, and compose shapes.

Common Core standard(s) being assessed (if the task is intended to assess only one part of the standard, underline that part of the standard):

K.G.4: <u>Analyze and compare</u> two- and <u>three-dimensional shapes</u>, in <u>different sizes and orientations</u>, <u>using informal language to describe their similarities</u>, <u>differences</u>, <u>parts</u> (e.g., <u>number of sides and</u> <u>vertices/"corners"</u>) and other attributes (e.g., <u>having sides of equal length</u>).

Student Materials:

Pencil

Teacher Materials:

- Comparing 3-D Shapes Assessment
- Geometric shapes (1 cube and 1 cylinder per student)

Directions (for teacher to administer assessment task):

Teacher should assess students individually or in small groups.

- Hand out Comparing 3-D Shapes Assessment Sheet (one per student). Ask question prompts.
- Teacher can dictate the student's responses when comparing the similarities and differences of a cube and cylinder.

Prompt:

• Give the student a cube and a cylinder. Say: Look carefully at the cube and the cylinder. Use the Venn Diagram to compare the 3-D/solid shapes. How are they the same? How are they different?

Possible Student Responses:



## **CCSS Mathematics Assessment Task**

Scoring Guide/Rubric (a score should be awarded for each criterion below)				
Criteria (CCSS code)	0 points	1 Point	2 Points	
Analyzes and compares	Student does not	Student accurately	Student accurately	
similarities and	accurately identify one	identifies 1-2 unique	identifies two unique	
differences of three-	unique attribute of	attribute of each shape	attributes of each	
dimensional shapes.	each shape and does	OR one similar attribute.	shape AND one similar	
(K.G.4)	not identify one similar		attribute.	
	attribute.			



Date: \_\_\_\_\_ Comparing 3-D Shapes Kindergarten Mathematics Assessment (K.G.4 – Task 4)



## **CCSS Mathematics Assessment Task**

Scoring Guide/Rubric (a score should be awarded for each criterion below)				
Criteria (CCSS code)	0 points	1 Point	2 Points	
Analyzes and compares	Student does not	Student accurately	Student accurately	
similarities and	accurately identify one	identifies 1-2 unique	identifies two unique	
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	attribute.			