

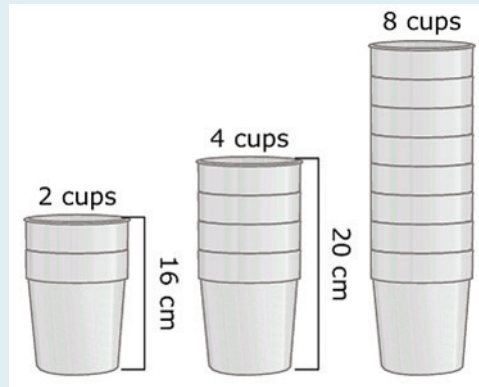
Focus
Standards
and Claim

Claim 2
6.EE.B.7

Stimulus

Stacks of Cups

Your science classroom uses cups for many experiments. Your teacher ordered lots of cups from a catalog. The catalog is not very good. It has the following picture, but no other useful information.



Your teacher wants you to help her get organized for when the cups arrive next week. Using only the information shown in the picture, she asks you to figure out some other specific measurements.

Item Prompt

How tall, in cm, is the stack of 8 cups?

cm

Scoring Guide

SCORE	1 POINT	0 POINTS
	Student responds with a value of 28, or equivalent	All other responses

Sample Responses

Student Sample A



28

SCORE RATIONALE

The student gave the correct height of 28 cm.

Student Sample B



30

SCORE RATIONALE

Incorrect response.

Student Sample C



40

SCORE RATIONALE

Incorrect response. The student may have reasoned that since a stack of 4 cups has a height of 20 cm, a stack of 8 cups would be twice as tall, and therefore 40 cm.

Student Sample D



64

SCORE RATIONALE

Incorrect response. The student may have reasoned $16/2 = 8$ cm per cup, and then $8 \text{ cups} \times 8 \text{ cm/cup} = 64$ cm.