

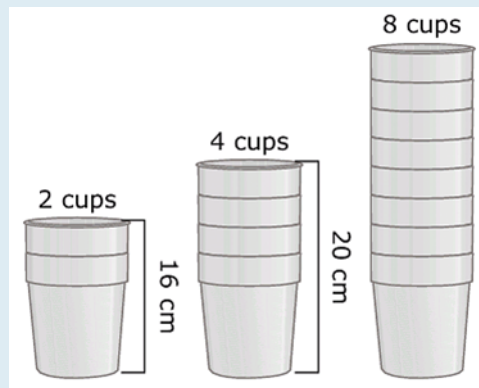
Focus Standards and Claim

Claim 4
7.EE.B.4

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

Your teacher thinks that instead of having to figure out these stacks each time, it would be useful to understand the general relationship.

Write an equation expressing the relationship between the height of the stack and the number of cups in the stack.

Let h represent the height of the stack, in cm, and n the number of cups in the stack.

Sample Responses

Sample Response A	$h66cm n14$
Sample Response B	$h = 2n + 12$
Sample Response C	$12 + 2n = h$
Sample Response D	$14 + 2$
Sample Response E	$h = 12 + (n * 2)$
Sample Response F	$8 \times 36 = 288$