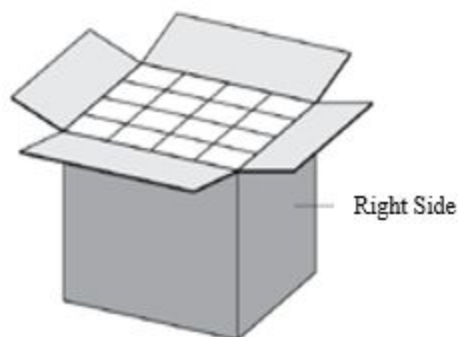


## Smarter Balanced Assessment Item Illustrating 5.MD.C.5

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A rectangular box is completely filled with 48 same-sized cubes arranged as shown. Julie opens the top of the box and sees 16 cubes.



Julie closes the top and then opens the right side of the box. How many cubes should she see?

Enter your answer in the response box.

### Answer Key

12

### Elaboration on Alignment

Standard 5.MD.C.5 requires students to solve real world and mathematical problems involving volume. This problem reflects that expectation and since it isn't a straightforward volume problem, it also requires students to make sense of the problem, first determining that the cubes are stacked 3 high and then using that to determine that the total visible on the right side would be 12.

### Learn More

Learn more with the [MATH Assessment Item Alignment Modules](#) at [www.achievethecore.org](http://www.achievethecore.org).