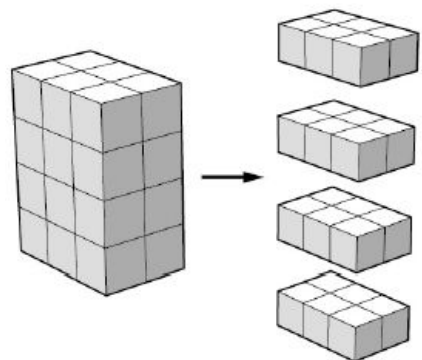


Smarter Balanced Assessment Item Illustrating 5.MD.C.4

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Example Stem: The layers of a rectangular prism are shown to the right of the prism.



Enter the volume, in cubic centimeters, of the rectangular prism.

Answer Key

24

Elaboration on Alignment

The grade 5 MD domain carefully develops the concept of volume building on students' earlier work with perimeter and area. Standard 5.MD.C.3 develops students' recognition of volume as an attribute of solid figures. This item, which measures 5.MD.C.4, builds on that understanding using unit cubes as a basis for students' understanding of volume as a measurable attribute. This item captures that initial understanding by showing both the solid figure as well as each of its layers so that the unit cubes are easily countable.

Learn More

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