

5.MD.3

Recognize volume as an attribute of solid figures and understand concepts of volume measurement.

a. A cube with side length 1 unit, called a “unit cube,” is said to have “one cubic unit” of volume, and can be used to measure volume.

b. A solid figure which can be packed without gaps or overlaps using n unit cubes is said to have a volume of n cubic units.

5.MD.3

OH.2021.Q29

A cube has a height of 1 centimeter (cm).

What is the volume of the cube?

- Ⓐ 1 cm
- Ⓑ 1 cubic cm
- Ⓒ 3 cubic cm
- Ⓓ 6 square cm

5.MD.3A

OH.2018.Q36

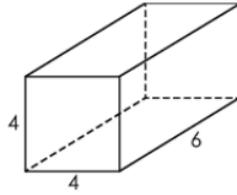
Which approach is the **best** to find the volume of a cube?

- Ⓐ Measure the length of one side and multiply the length by 3.
- Ⓑ Measure the length of one side and multiply the length by itself.
- Ⓒ Count the number of 1-cubic-centimeter unit cubes that fit inside the cube.
- Ⓓ Count the number of 1-square-centimeter unit squares that cover the cube.

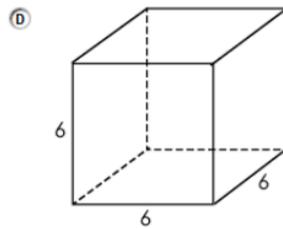
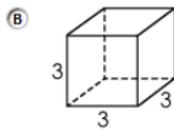
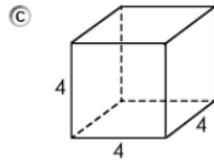
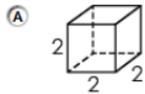
5.MD.3b

OH.2017.Q17

A rectangular prism is shown.



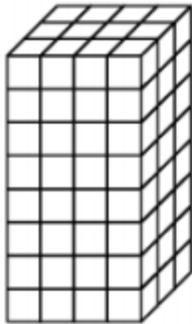
Which block could be used to find the volume of the rectangular prism?



5.MD.3

OH.2016.Q4

A rectangular prism is shown.



Which measure can be found by counting all of the cubes in this prism?

- (A) length
- (B) height
- (C) volume
- (D) surface area