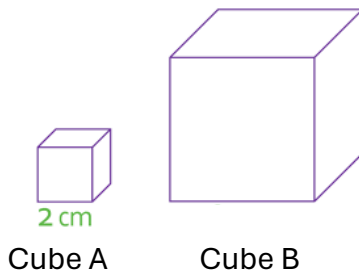


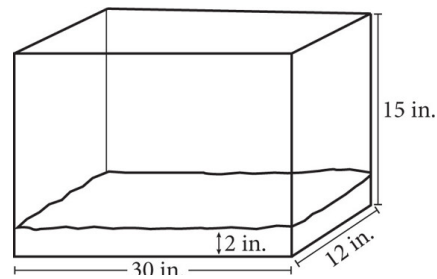
- 1) The side length of Cube A is 2 centimeters (cm). The side length of Cube B is 4 times the length of Cube A.



What is the volume of Cube B?

- A. 4 cm^3
B. 8 cm^3
C. 64 cm^3
D. 256 cm^3
E. 512 cm^3
- 2) Sam and Nick can wash 80 cars in 5 hours. How long would it take them to wash 720 cars?
- A. 9 hours
B. 10 hours
C. 40 hours
D. 45 hours
E. 100 hours
- 3) The teacher rounds each grade to the nearest percent. If Gus earned a grade of 95%, his actual grade was most likely between (choose the most accurate answer)
- A. 90.0% and 100%
B. 94.0% and 96.0%
C. 94.5% and 95.5%
D. 94.5% and 94.6%
E. 95.0% and 96.0%

- 4) Mr. Nappier is currently in the process of filling his fish tank with water. He has already filled it partially, as illustrated in the diagram below.



How much more space, in cubic inches, does Mr. Nappier need to fill so that the water level reaches the top of the tank?

- A. 180 cubic inches
B. 720 cubic inches
C. 4,680 cubic inches
D. 5,400 cubic inches
E. 10,800 cubic inches
- 5) Liam's car can drive 35 miles per gallon of gasoline. About how many gallons would it take for Liam to drive 700 miles?
- A) 5
B) 15
C) 20
D) 50
E) 70
- 6) A group of mechanics can service 64 cars per week. About how many cars could they service in 7.5 weeks?
- A) 52
B) 104
C) 448
D) 480
E) 512