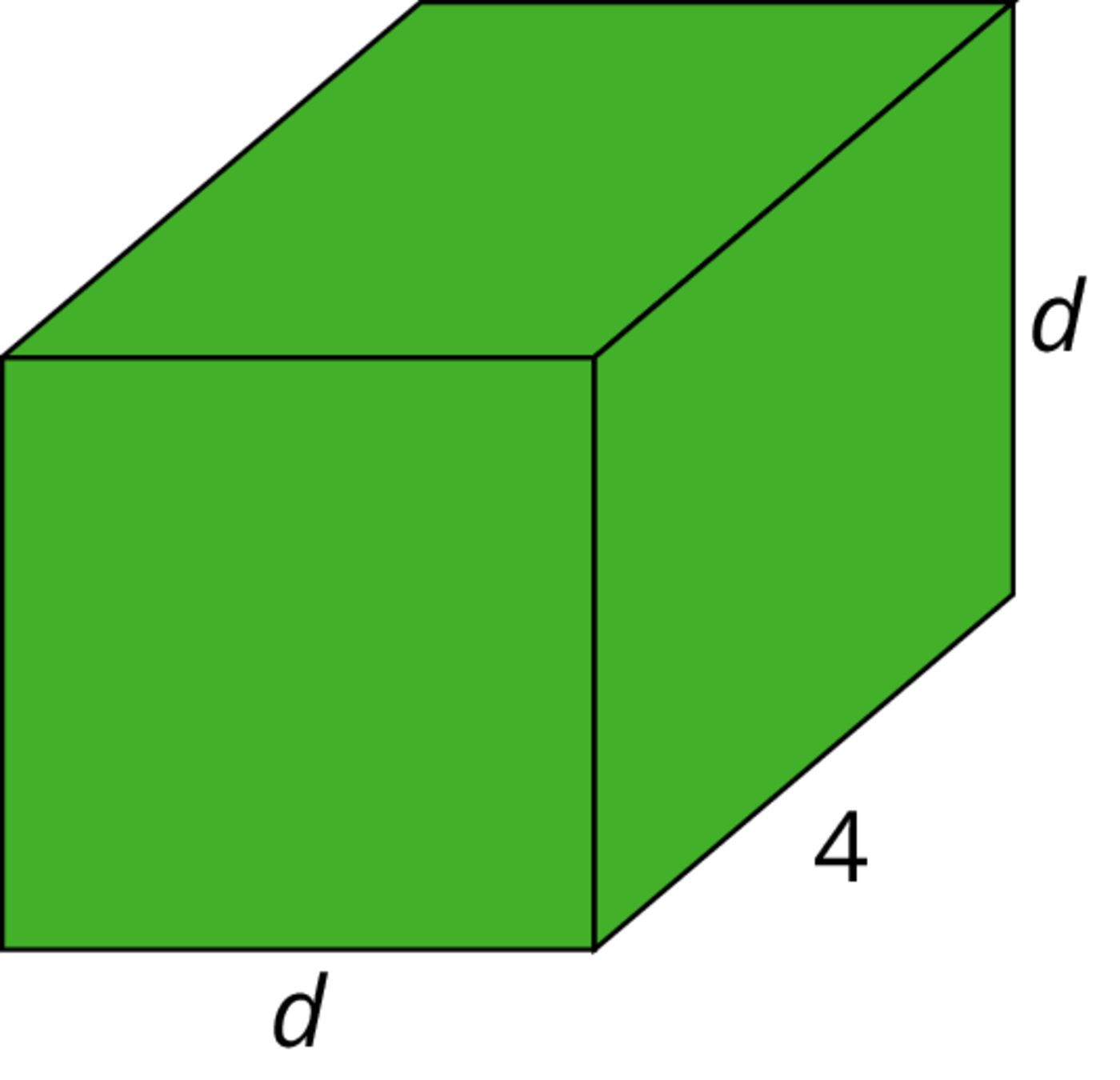
## Unit 7 Lesson 8 Cumulative Practice Problems

1. At the book sale, all books cost less than $5.
   1. What is the most expensive a book could be?
   2. Write an inequality to represent costs of books at the sale.
   3. Draw a number line to represent the inequality.
2. Kiran started his homework *before* 7:00 p.m. and finished his homework *after* 8:00 p.m. Let represent the number of hours Kiran worked on his homework.

* Decide if each statement it is definitely true, definitely not true, or possibly true. Explain your reasoning.

1. Consider a rectangular prism with length 4 and width and height .
   1. Find an expression for the volume of the prism in terms of .
   2. Compute the volume of the prism when , when , and when .

* 
* (From Unit 6, Lesson 14.)

1. Match the statements written in English with the mathematical statements. All of these statements are true.
   1. The number -15 is further away from 0 than the number -12 on the number line.
   2. The number -12 is a distance of 12 units away from 0 on the number line.
   3. The distance between -12 and 0 on the number line is greater than -15.
   4. The numbers 12 and -12 are the same distance away from 0 on the number line.
   5. The number -15 is less than the number -12.
   6. The number 12 is greater than the number -12.

* (From Unit 7, Lesson 7.)

1. Here are five sums. Use the distributive property to write each sum as a product with two factors.

* (From Unit 6, Lesson 11.)



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