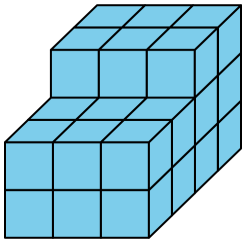
NAME DATE PERIOD

Grade 5, Unit 1, Section C: Additional Practice Problems

1. Which expression(s) can be used to find the volume of the figure?

   Select **all** that apply.



A. $(2 \times 4 \times 3) + (1 \times 2 \times 3)$

B. $(3 \times 3 \times 1) + (2 \times 2 \times 4)$

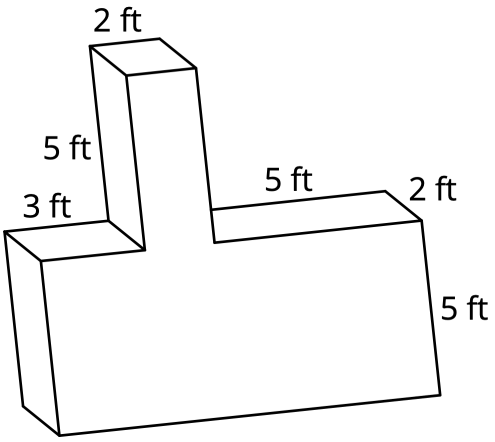
C. $(3 \times 3 \times 2) + (2 \times 2 \times 3)$

D. $(4 \times 4 \times 2) + (2 \times 1 \times 3)$

E. $(3 \times 4 \times 2) + (2 \times 2 \times 4)$

(From Unit 1, Lesson 8.)

2. a. Which expression can be used to find the volume of the figure?



A. $(3 \times 5 \times 2) + (5 \times 2 \times 5)$

B. $(2 \times 5 \times 10) + (5 \times 2 \times 2)$

C. $(2 \times 5 \times 5) + (5 \times 2 \times 2)$

D. $(2 \times 5 \times 8) + (5 \times 2 \times 2)$

b. What is the volume of the figure?

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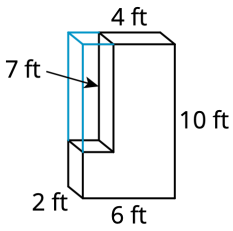
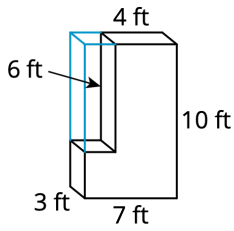
(From Unit 1, Lesson 9.)

3. Which figure's volume can be found using the expression $(10 \times 6 \times 2) - (7 \times 2 \times 2)$?

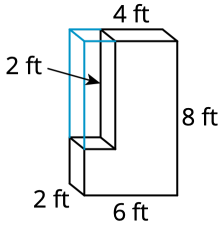
a.



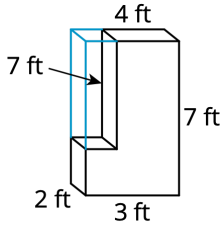
c.



b.

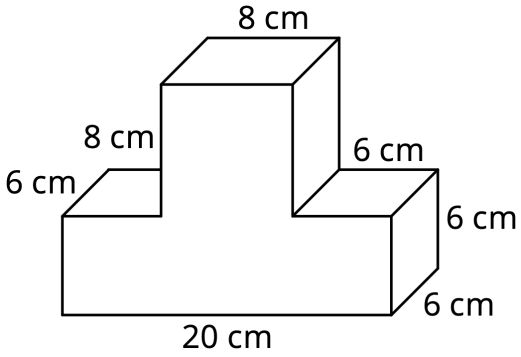


d.



(From Unit 1, Lesson 10.)

4. This is a diagram of a planter box. What is the total volume of the diagram? Explain or show your reasoning.



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(From Unit 1, Lesson 11.)

5. EXPLORATION
Clare creates a design. She wants to double the volume of the design. Clare says she needs to double each dimension, do you agree? Show your reasoning.