

8.4 Exercises



Vocabulary and Concept Check

1. **CRITICAL THINKING** Explain how volume and surface area are different.

2. **REASONING** Will the formulas for volume work for rectangular prisms with decimal edge lengths? Explain.

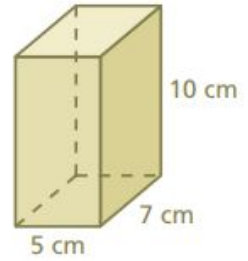
3. **DIFFERENT WORDS, SAME QUESTION** Which is different? Find “both” answers.

How much does it take to fill the rectangular prism?

What is the capacity of the rectangular prism?

How much does it take to cover the rectangular prism?

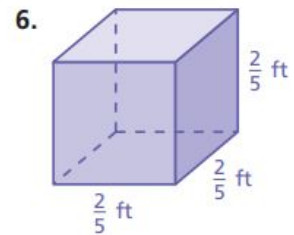
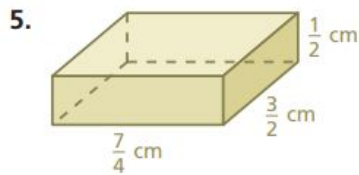
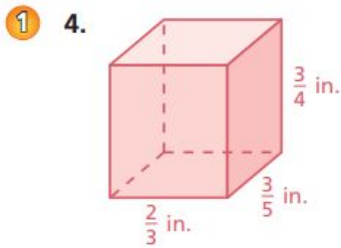
How much does the rectangular prism contain?





Practice and Problem Solving

Find the volume of the prism.



Equation: _____

Solution: _____

Equation: _____

Solution: _____

a. _____

b. _____

19. _____

20. _____

21. _____

