

Lesson 10-1 • Apply Day

Reinforce Understanding

10.1 • Part II

I can find applications of math outside of school — in professions like being a chef, in hobbies like gardening, and around my own house.

Practice

Complete each exercise. Show the reasoning that supports your answer.

1. Find the volume of a new prism with dimensions 5 by 3 by 2.

Complete each step, then write the final answer.

1. Base area: $5 \times 3 = \underline{\hspace{1cm}}$.
2. Volume: $15 \times 2 = \underline{\hspace{1cm}}$.
3. Label the answer in $\underline{\hspace{1cm}}$ units.

Answer: $\underline{\hspace{3cm}}$

2. Find the volume of a new prism with dimensions 6 by 5 by 5.

Complete each step, then write the final answer.

1. Base area: $6 \times 5 = \underline{\hspace{1cm}}$.
2. Volume: $30 \times 5 = \underline{\hspace{1cm}}$.
3. Label the answer in $\underline{\hspace{1cm}}$ units.

Answer: $\underline{\hspace{3cm}}$

3. Find the volume of a new prism with dimensions 7 by 7 by 3.

Complete each step, then write the final answer.

1. Base area: $7 \times 7 = \underline{\hspace{1cm}}$.
2. Volume: $49 \times 3 = \underline{\hspace{1cm}}$.
3. Label the answer in $\underline{\hspace{1cm}}$ units.

Answer: $\underline{\hspace{3cm}}$