

Lesson 10-3 • Apply Day

Reinforce Understanding

10.3 • Part II

I can use patterns and relationships to make sense of the Tower of Hanoi puzzle and think logically about its solutions.

Practice

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

1. (Lesson 10.1) 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: _____

2. (Lesson 10.1) 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: _____

3. (Lesson 10.1) 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: _____