

Grade 3 Unit 2

Lesson 10

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Unit 2 Lesson 10: Solve Area Problems

WU Number Talk: One More Group (Warm up)

Student Task Statement

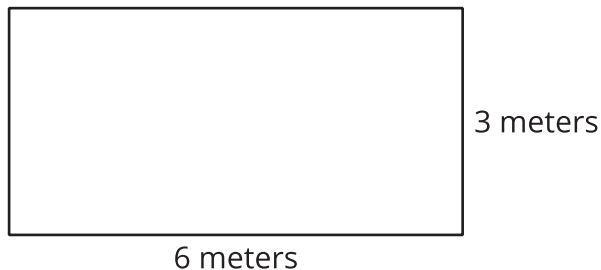
Find the value of each expression mentally.

- 5×2
- 6×2
- 5×6
- 6×6

1 Paint a Wall

Student Task Statement

Noah is painting a wall in a community garden. The wall is shaped like a rectangle. A diagram of the wall is shown here.



Paint is sold in 3 different sizes:

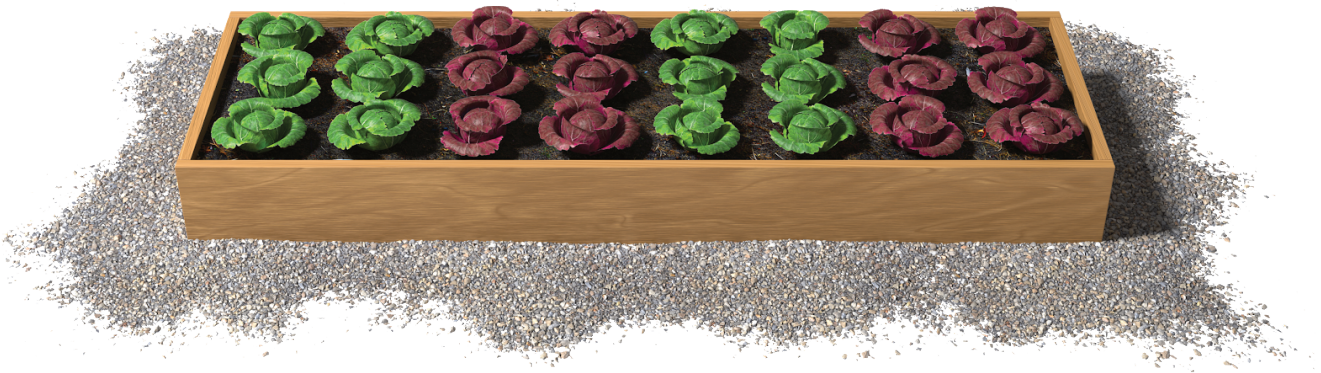
- A small container will cover 3 square meters.
- A medium container will cover 10 square meters.
- A large container will cover 40 square meters.

What should Noah buy? Explain your reasoning.



2 Create a Garden

Student Task Statement



1. Elena is planning how to use her rectangular space in the community garden. She needs a space that is at least 20 square feet to fit her plants. She has enough soil for a garden that is 30 square feet. The space she has available has to be 3 feet on one side.

What are the possible sizes for her garden?

Create a poster to show your thinking. Organize it so it can be followed by others.

2. As you look at the posters with your group:
 - a. Describe how another group solved the problem in a different way than your group did.
 - b. Write three things you saw that helped you understand how other students solved the problem.