

# Solve Area Problems

Let's solve area problems.

Warm-up

## Number Talk: One More Group

Find the value of each expression mentally.

- $5 \times 2$

- $6 \times 2$

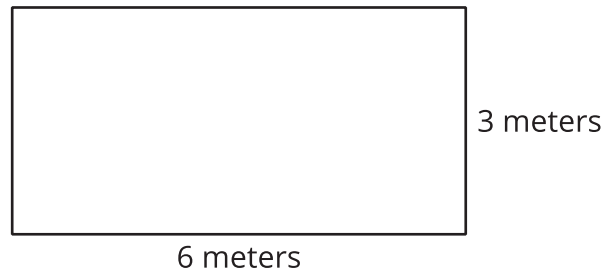
- $5 \times 6$

- $6 \times 6$

## Activity 1

### Paint a Wall

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.

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## Activity 2

### Create a Garden



1. Elena is planning to build a raised garden bed for the community garden. The garden bed will be rectangular. One side must be 3 feet long. To fit all her plants, Elena needs the bed to cover at least 20 square feet. She has enough soil for a garden bed that covers 30 square feet.

What are some possible sizes for the garden bed?

Create a poster to show your thinking. Organize your poster 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, using a different way than your group did.

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- b. Write 3 things you saw that helped you understand how other groups solved the problem.

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