## Unit 2 Lesson 10: Solve Area Problems

### WU Number Talk: One More Group (Warm up)

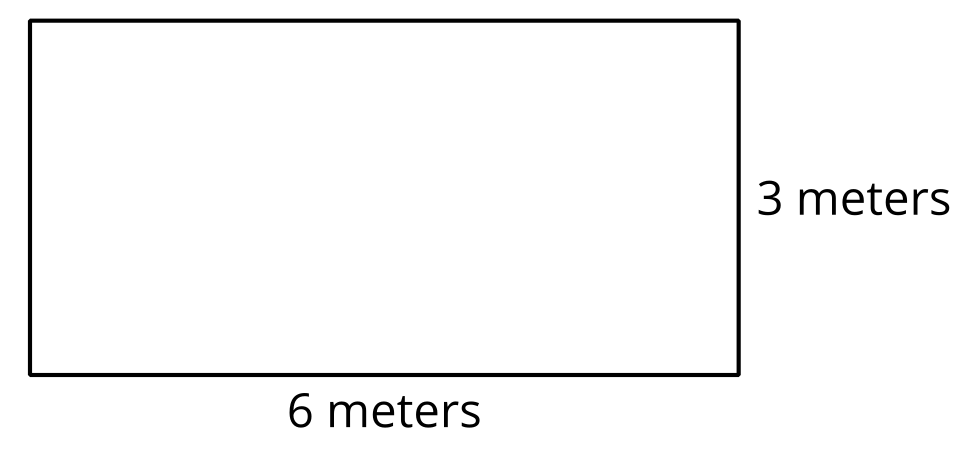
#### Student Task Statement

Find the value of each expression mentally.

### 1 Paint a Wall

#### Student Task Statement

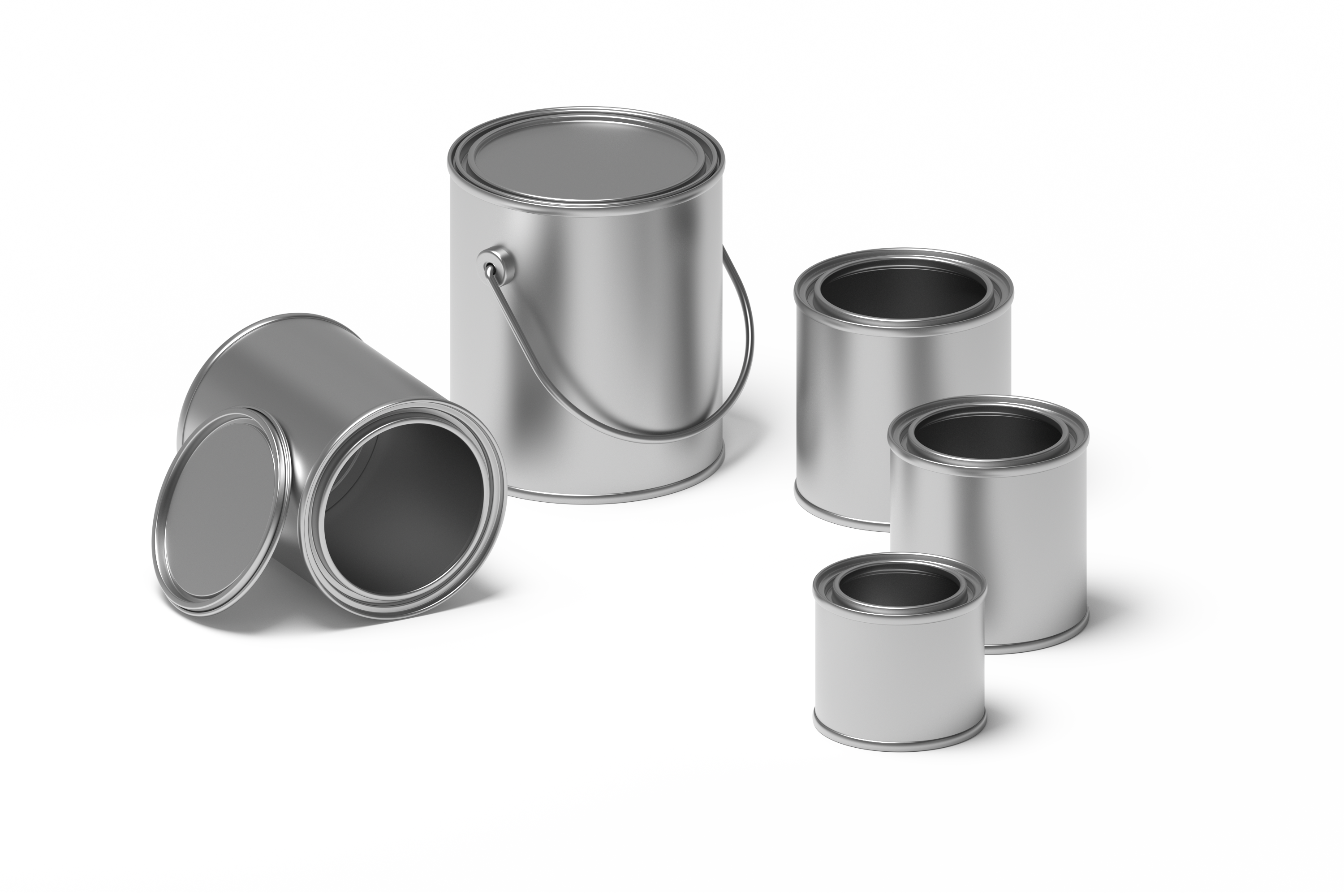
Noah is painting a wall in a community garden. The wall is shaped like a rectangle. A diagram of the wall is shown here.



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.

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



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