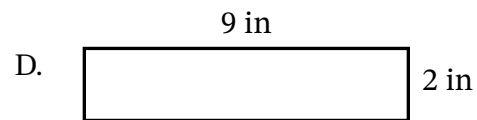
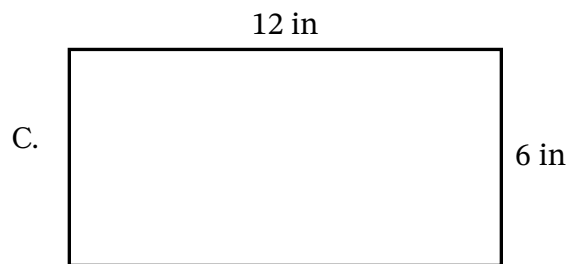
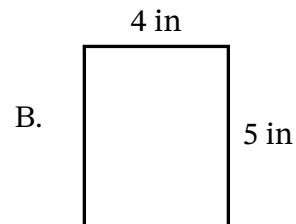
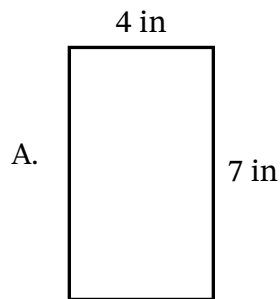


# Topic Quiz C

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 Name \_\_\_\_\_

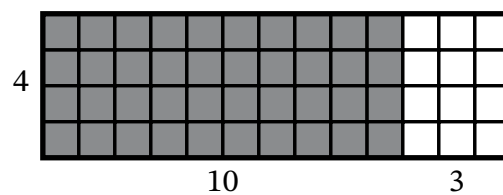
1. Which rectangle has the same area as a rectangle with side lengths of 3 inches and 6 inches?



2. Can each expression be used to find the area of the rectangle?

Circle Yes or No.

Each  represents 1 square unit.



$4 \times (10 + 3)$

Yes

No

$4 \times 10 \times 3$

Yes

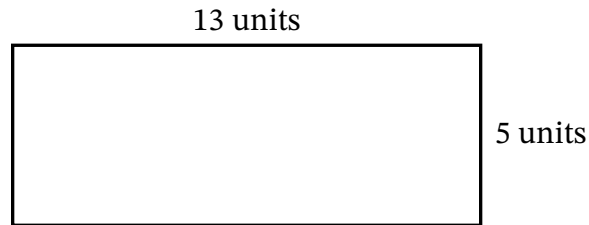
No

$(4 \times 10) + (4 \times 3)$

Yes

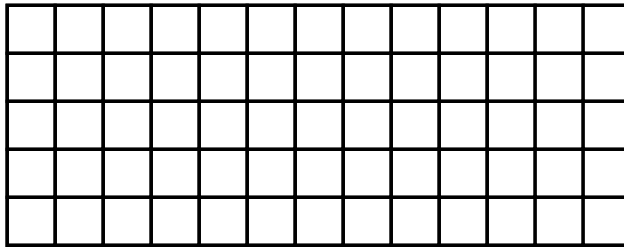
No

3. Shen wants to find the area of this rectangle.



**Part A**

Shen uses the expression  $(10 \times 5) + (3 \times 5)$  to find the area of the rectangle. Shade the rectangle to show Shen's strategy.



**Part B**

Fill in the blanks to find the area of the rectangle.

$$13 \times 5 = (10 \times 5) + (3 \times 5)$$

$$= \underline{\quad} + \underline{\quad}$$

$$= \underline{\quad}$$

Area:  $\underline{\quad}$  square units

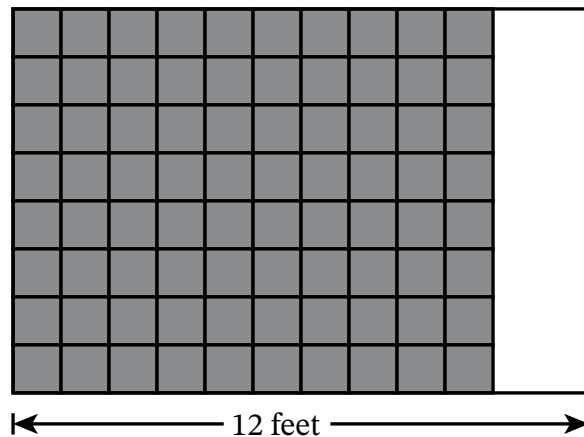
4. Carla tiles her bathroom floor.

The shaded rectangle represents the part of the floor Carla has tiled so far.

The unshaded rectangle represents the part of the floor Carla still needs to tile.

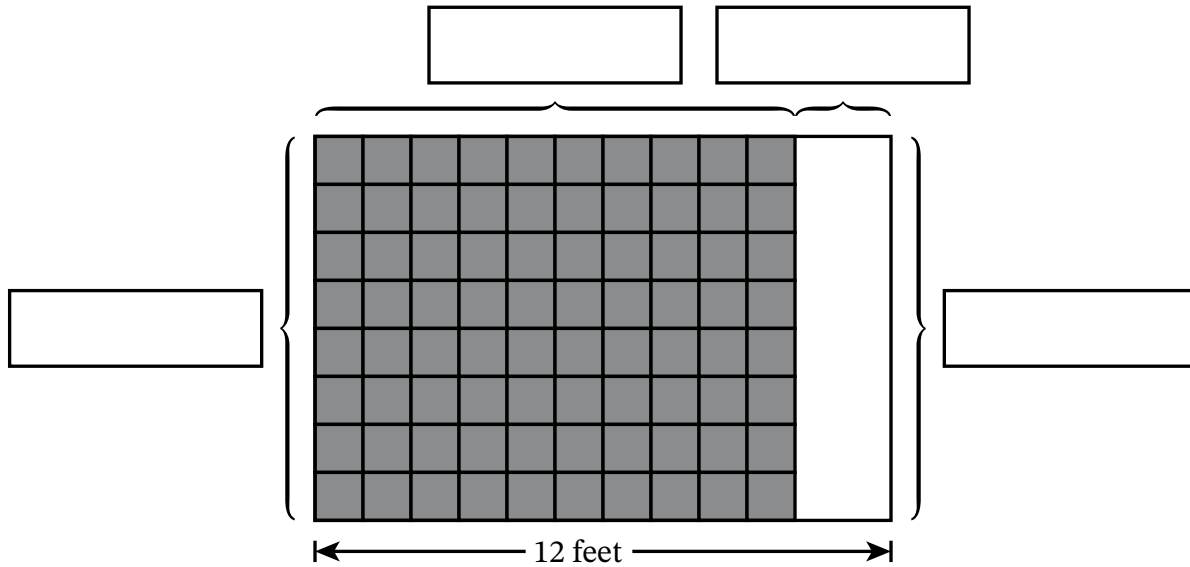
The length of Carla's bathroom is 12 feet.

Each  represents one tile, which is 1 square foot.



**Part A**

Label the lengths and widths of the shaded and unshaded rectangles. Write one value from the given answer choices in each box. Values may be used more than once.

**Answer Choices**

2 feet	3 feet	6 feet	8 feet	10 feet	12 feet	20 feet
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**Part B**

What is the area of the floor that Carla has already tiled?

\_\_\_\_\_ square feet

**Part C**

What is the area of the floor that Carla still needs to tile?

\_\_\_\_\_ square feet

**Part D**

What is the total area of the floor?

\_\_\_\_\_ square feet