3rd grade
Module 4 Topic C
Lessons 9 - 10

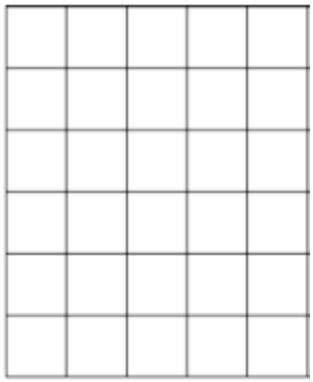
Name: _____ Date: _____

Mandy uses square tiles to make the 2 rectangles shown below.

1. Label the side lengths of the 2 rectangles.

2. Write equations to find the areas of the rectangles.

_____

_____ 

Rectangle A

_____ 

Rectangle B

Area of Rectangle A: _____

Area of Rectangle B: _____

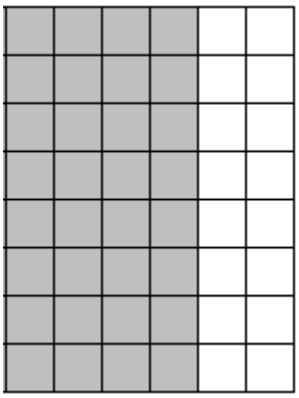
3. Mandy pushes Rectangle A next to Rectangle B to make a bigger rectangle. What is the area of the bigger rectangle? How do you know?

_____

_____

_____

4. Label the side lengths of the shaded and unshaded rectangles. Then, find the total area of the large rectangle by adding the areas of the 2 smaller rectangles.

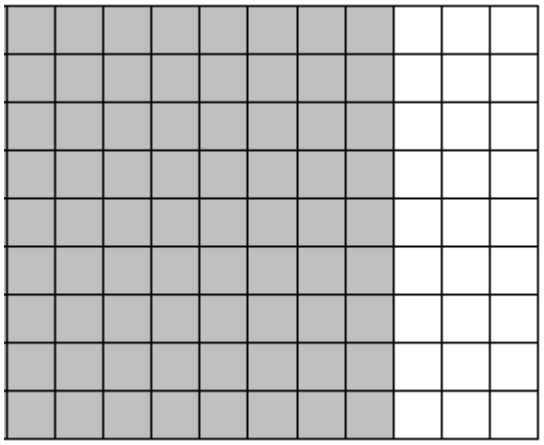


$8 \times 6 = 8 \times (\_\_\_\_\_ + \_\_\_\_\_)$

$= (8 \times \_\_\_\_\_) + (8 \times \_\_\_\_\_)$

$= \_\_\_\_\_ + \_\_\_\_\_$

$= \_\_\_\_\_$ square units



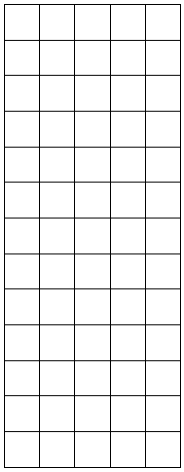
$9 \times 11 = 9 \times (\_\_\_\_\_ + \_\_\_\_\_)$

$= (\_\_\_\_\_ \times \_\_\_\_\_) + (\_\_\_\_\_ \times \_\_\_\_\_)$

$= \_\_\_\_\_ + \_\_\_\_\_$

$= \_\_\_\_\_$ square units

5. Break the 13×5 rectangle into 2 rectangles by shading one smaller rectangle within it. Then, find the sum of the areas of the 2 smaller rectangles and show how it relates to the total area. Explain your thinking.



_____

_____

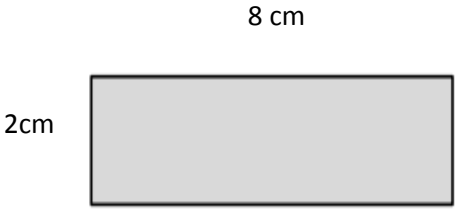
_____

_____

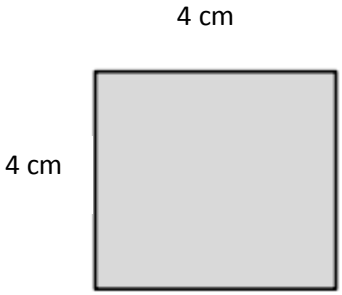
_____

_____

6. Find the area of the rectangle.



Area= _____



Area= _____