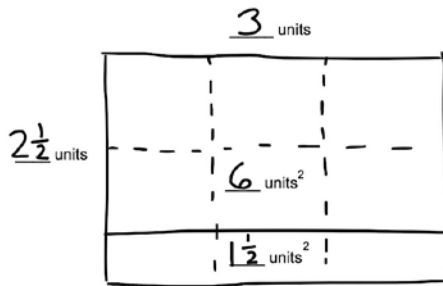Name _____ Date _____

1. John tiled some rectangles using square units. Sketch the rectangles if necessary. Fill in the missing information, and then confirm the area by multiplying.
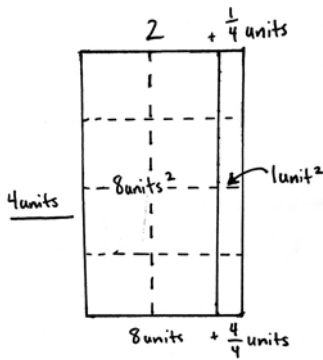
a. **Rectangle A:**

Rectangle A is

$\underline{\quad 3 \quad}$ units long $\underline{\quad 2\frac{1}{2} \quad}$ units wide

Area = _____ units^2

b. **Rectangle B:**

Rectangle B is

_____ units long _____ units wide

Area = _____ units^2

c. **Rectangle C:**

Rectangle C is

$\underline{\quad \frac{3}{4} \quad}$ units long $\underline{\quad 4 \quad}$ units wide

Area = _____ units^2

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Lesson 10:   Find the area of rectangles with whole-by-mixed and whole-by-fractional number side lengths by tiling, record by drawing, and relate to fraction multiplication.

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d. **Rectangle D:**

Rectangle D is

2 units long $1\frac{3}{4}$ units wide

Area = _____ units^2

2. Rachel made a mosaic from different color rectangular tiles. Three tiles measured $3\frac{1}{2}$ inches × 3 inches. Six tiles measured 4 inches × $3\frac{1}{4}$ inches. What is the area of the whole mosaic in square inches?

3. A garden box has a perimeter of $27\frac{1}{2}$ feet. If the length is 9 feet, what is the area of the garden box?

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