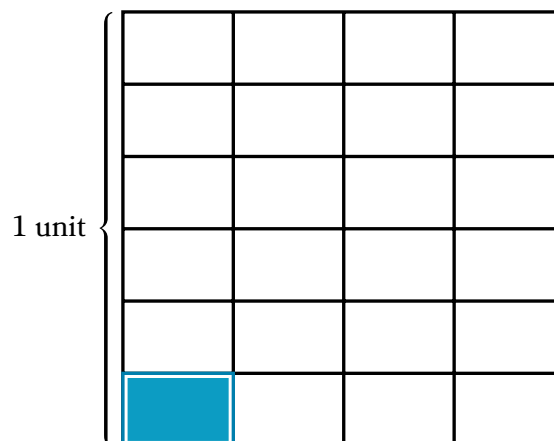




Name \_\_\_\_\_

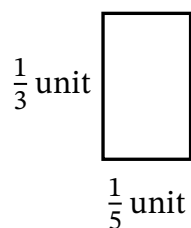
Date \_\_\_\_\_

1. Use this unit square, which is partitioned into equal-size rectangles, to answer parts (a) and (b).



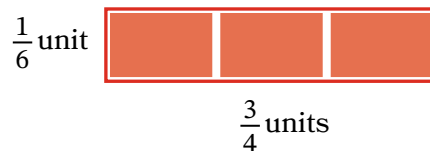
- a. The side lengths of the shaded rectangular tile are \_\_\_\_\_ unit and \_\_\_\_\_ unit.
- b. The area of the shaded rectangular tile is \_\_\_\_\_ square unit because there are \_\_\_\_\_ equal-size rectangular tiles and 1 is shaded.

2. A rectangle with side lengths of  $\frac{1}{5}$  unit and  $\frac{1}{3}$  unit is shown. Use the rectangle to complete parts (a)–(c).



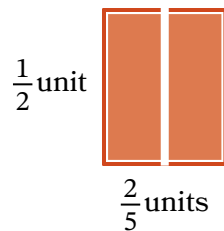
- Create a unit square. Partition the unit square into equal parts.
- How many equal parts did you need to create a unit square?
- What is the area of the rectangular tile with side lengths of  $\frac{1}{5}$  unit and  $\frac{1}{3}$  unit? How do you know?

3. A rectangle with side lengths of  $\frac{3}{4}$  units and  $\frac{1}{6}$  unit is shown. Use the rectangle to complete parts (a)–(c).

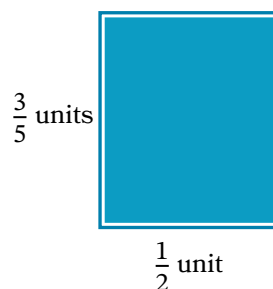


- Create a unit square. Partition the unit square into equal parts.
- How many equal parts did you need to create a unit square?
- What is the area of the rectangle with side lengths of  $\frac{3}{4}$  units and  $\frac{1}{6}$  unit?

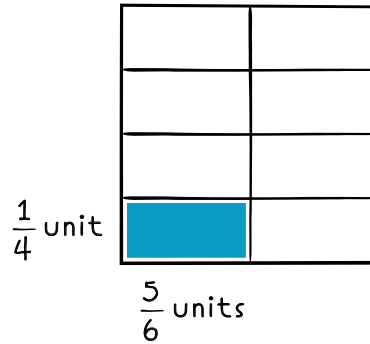
4. A rectangle with side lengths of  $\frac{2}{5}$  units and  $\frac{1}{2}$  unit is shown. Use the rectangle to complete parts (a)–(c).



- Create a unit square. Partition the unit square into equal parts.
  - How many equal parts do you need to create a unit square?
  - What is the area of the rectangle with side lengths of  $\frac{2}{5}$  units and  $\frac{1}{2}$  unit?
5. What is the area of the rectangle shown?



6. Sana creates a drawing to determine the area of a rectangle with a side length of  $\frac{5}{6}$  units and a side length of  $\frac{1}{4}$  unit.



Sana says the area of the rectangle is  $\frac{1}{8}$  square unit.

Is she correct? Why?