Unit 2, Lesson 11

Fractional Side Lengths Greater than 1

Let's find the area of more rectangles.

Warm-up

True or False: Thirds

Decide if each statement is true or false. Be prepared to explain your reasoning.

- $10 \div 3 = 10 \times \frac{1}{3}$

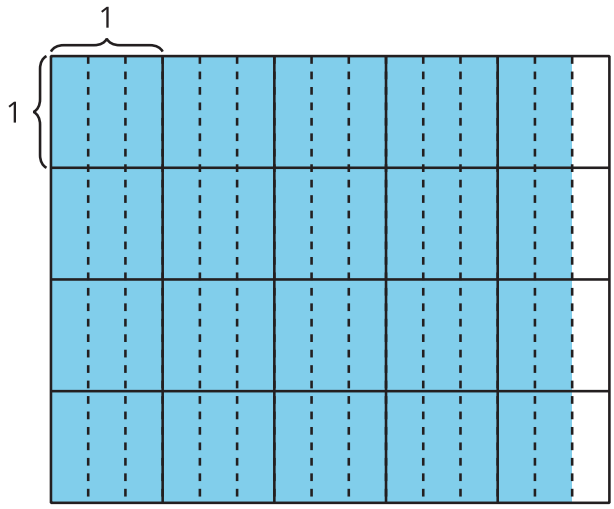
- $10 \div 3 = 10\frac{1}{3}$

- $\frac{10}{3} = 5 \times \frac{2}{3}$

Activity 1

Greater than 1

1. Find the area of the shaded region in square units. Explain or show your reasoning.



2. Select **all** the expressions that represent the area of the shaded region in square units. For each correct expression, explain your reasoning.

   A. $4\frac{2}{3} \times 4$

   B. $16 \times \frac{8}{3}$

   C. $\frac{14}{3} \times 4$

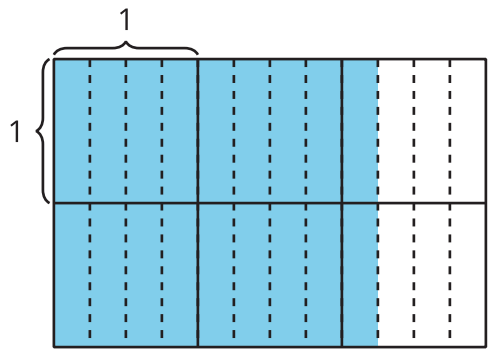
   D. $\frac{56}{3}$

   E. $4 \times \frac{5}{3}$

Activity 2

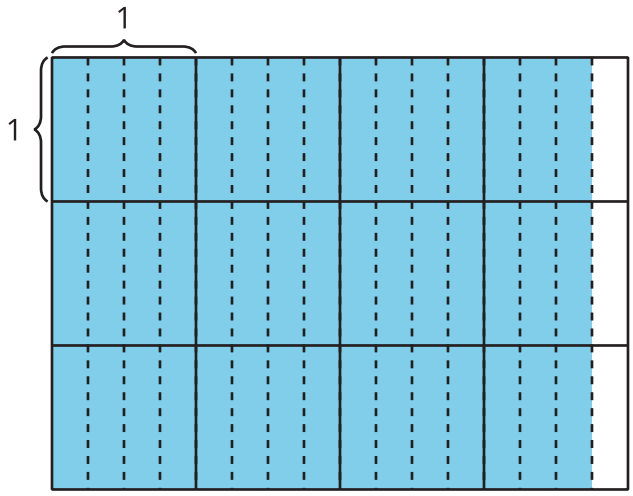
Diagrams and Expressions for Area

1. a. Write a multiplication expression to represent the area of the shaded region in square units.



   b. What is the area of the shaded region?

2. a. Write a multiplication expression to represent the area of the shaded region in square units.



   b. What is the area of the shaded region?