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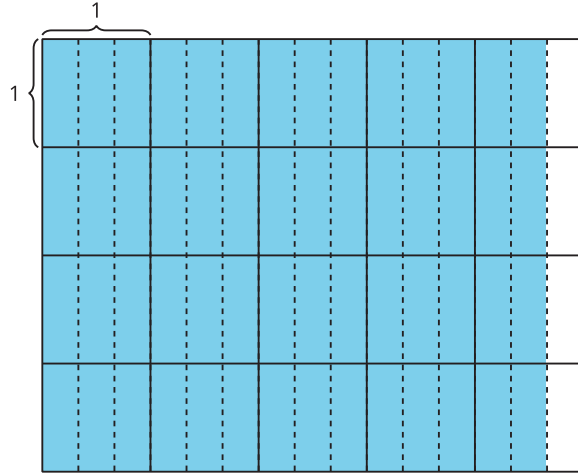
- $10 \div 3 = 10 \times \frac{1}{3}$

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

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

11.1: Greater Than One

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

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

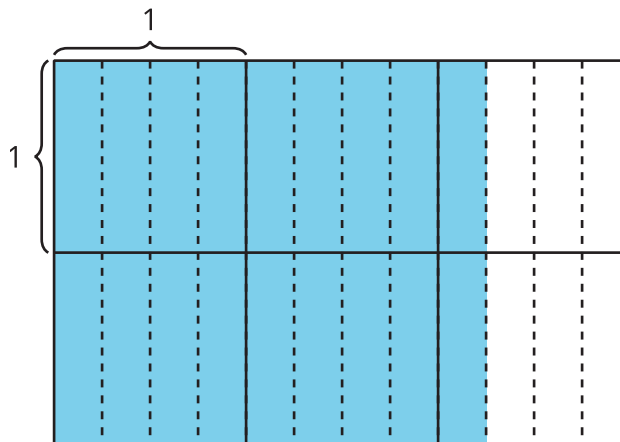A. $4\frac{2}{3} \times 4$

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

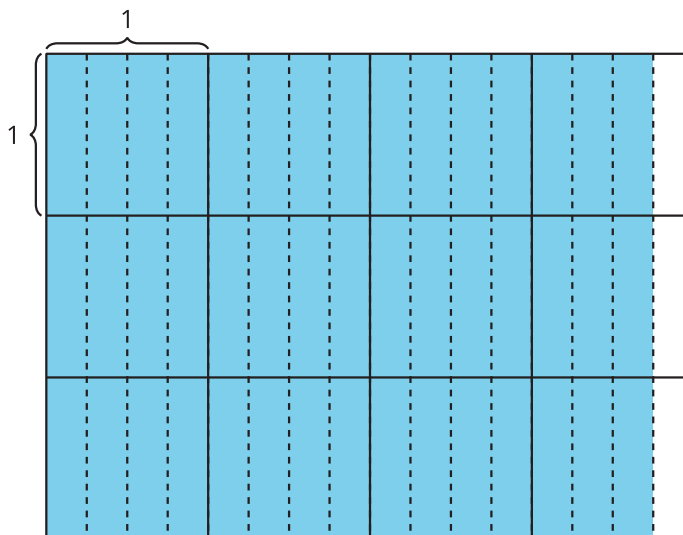C. $\frac{14}{3} \times 4$

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

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

11.2: Diagrams and Expressions for Area

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

b. What is the area of the shaded region?

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

b. What is the area of the shaded region?