Illustrative Mathematics

Grade 5 Unit 2
Lesson 11

Unit 2 Lesson 11: Fractional Side Lengths Greater Than 1

WU True or False: Thirds (Warm up)

Student Task Statement

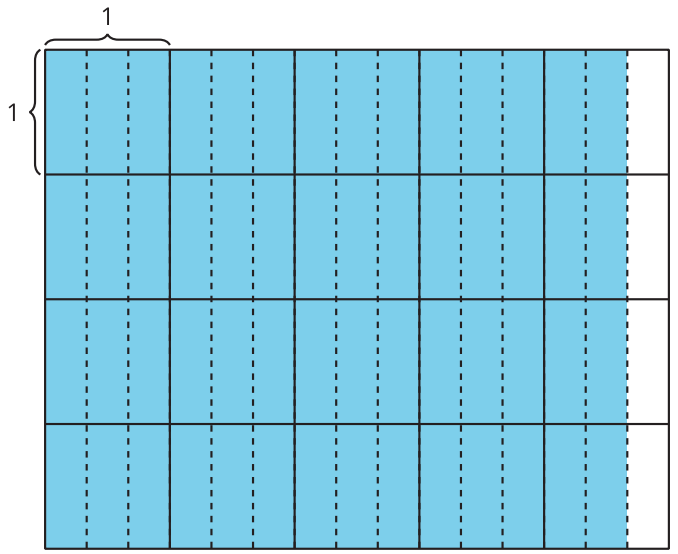
Decide if each statement is true or false. Be prepared to explain your reasoning.

- $10 \div 3 = 10 \times \frac{1}{3}$
- $10 \div 3 = 10\frac{1}{3}$
- $\frac{10}{3} = 5 \times \frac{2}{3}$

1 Greater Than One

Student Task Statement

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

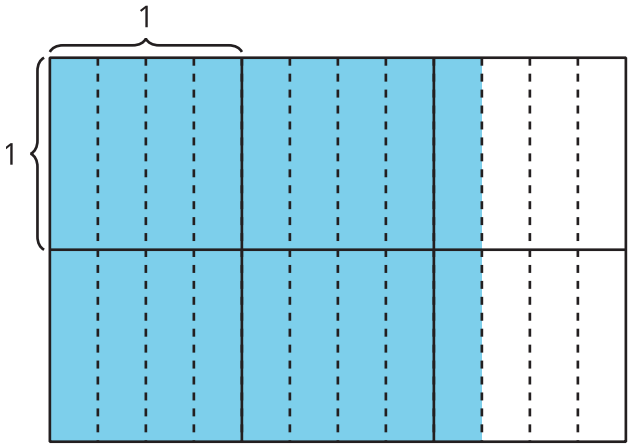
D. $\frac{56}{3}$

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

2 Diagrams and Expressions for Area

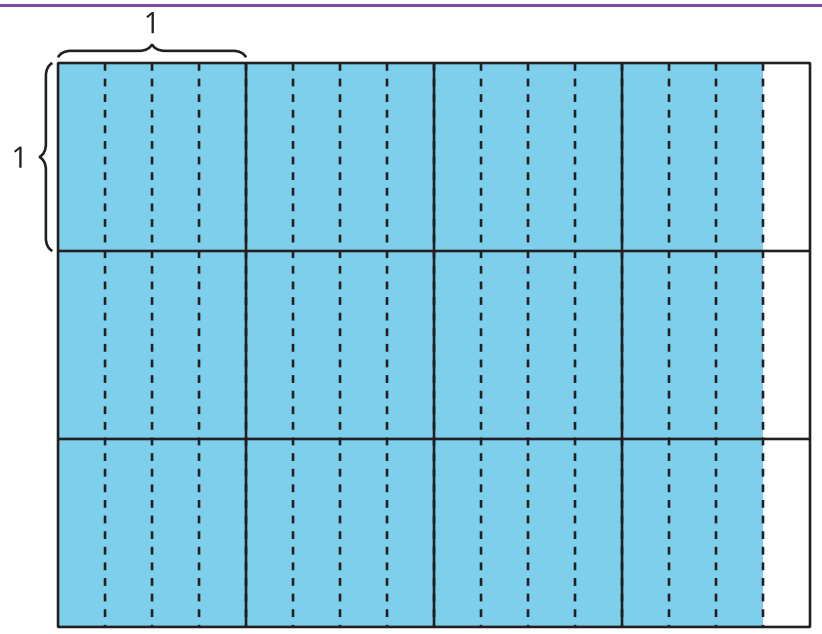
Student Task Statement

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?

Images for Activity Synthesis