



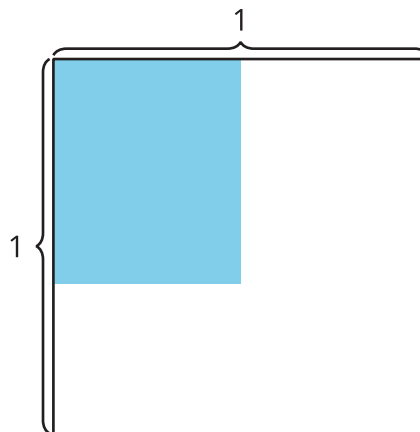
# Multiply a Unit Fraction by a Non-Unit Fraction

Let's multiply a unit fraction and a non-unit fraction.

## Warm-up

### Estimation Exploration: Shaded Rectangle

What is the area of the shaded region?



Record an estimate that is:

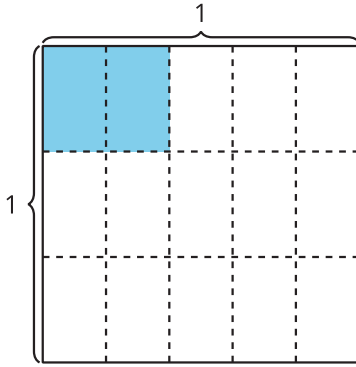
too low	about right	too high

## Activity 1

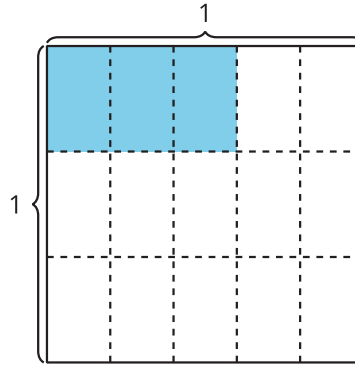
### Write Equations

1. Represent the shaded region in each diagram. Write a multiplication expression.

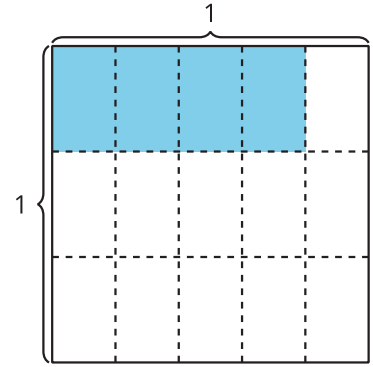
**A**



**B**



**C**




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2. What patterns do you notice in the multiplication expressions?

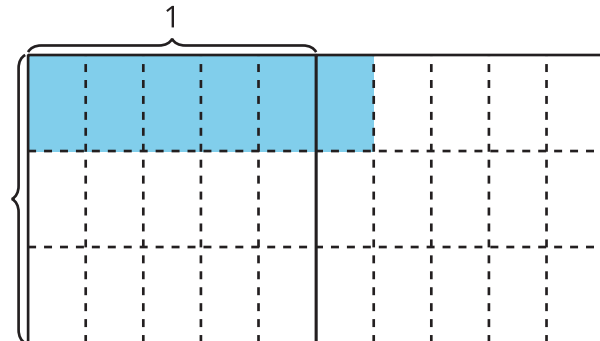
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3. Han writes this equation to represent the area of the shaded region. How does the diagram represent the equation? Explain or show your reasoning.

$$\frac{6}{5} \times \frac{1}{3} = \frac{6}{15}$$

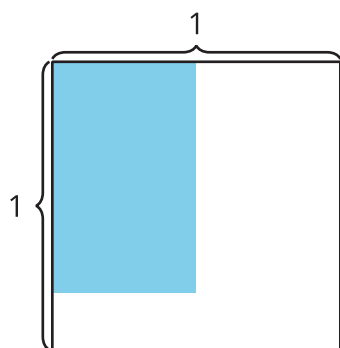


## Activity 2

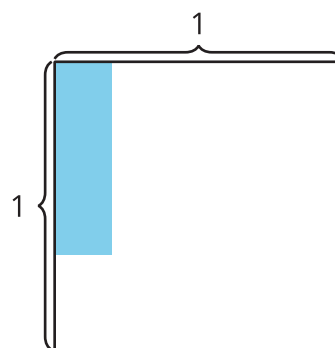
### Estimate With Expressions

Represent the area of the shaded region. Write a multiplication expression.

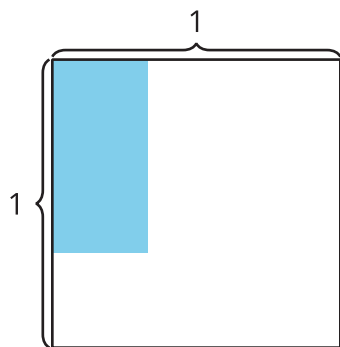
1.



2.



3.



4.

