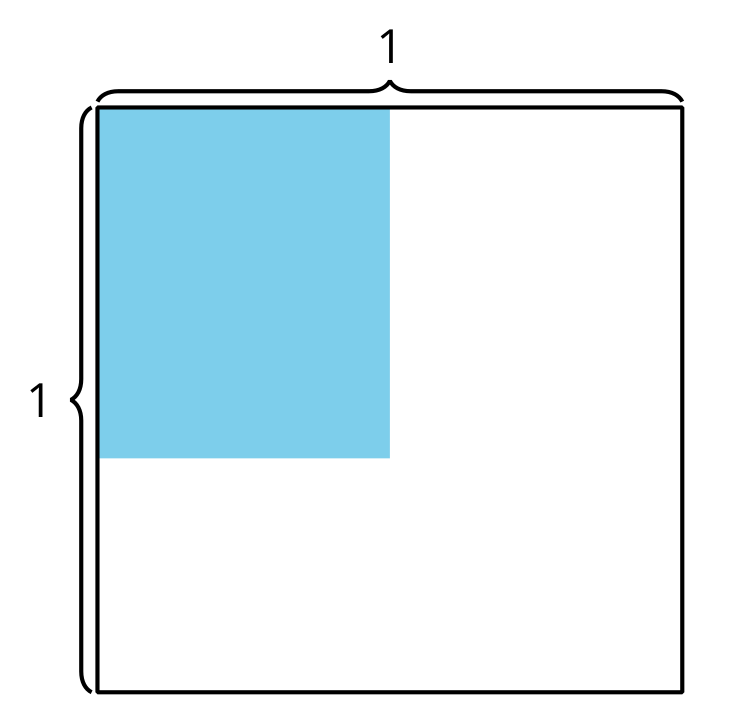
## Unit 3 Lesson 5: Multiply a Unit Fraction by a Non-unit Fraction

### WU Estimation Exploration: Shaded Rectangle (Warm up)

#### Student Task Statement

What is the area of the shaded region?



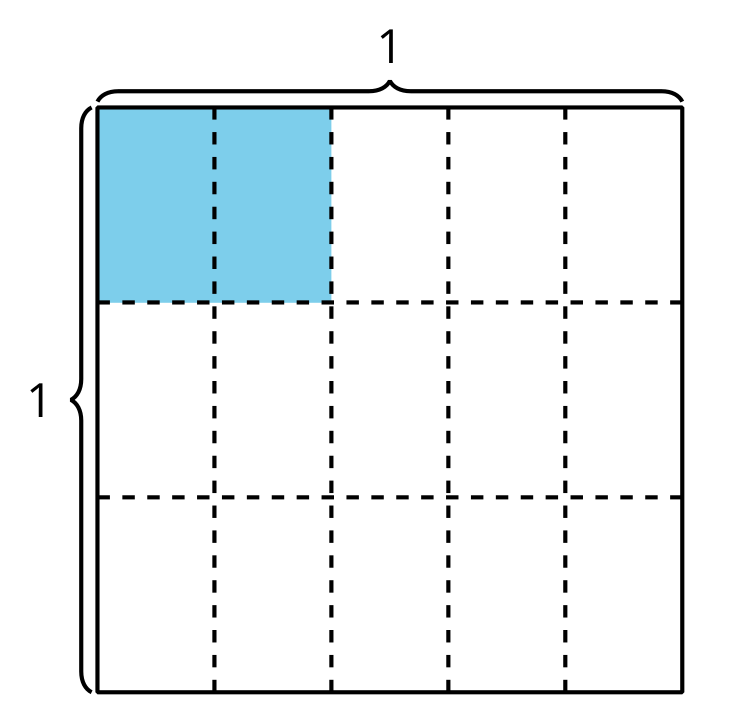
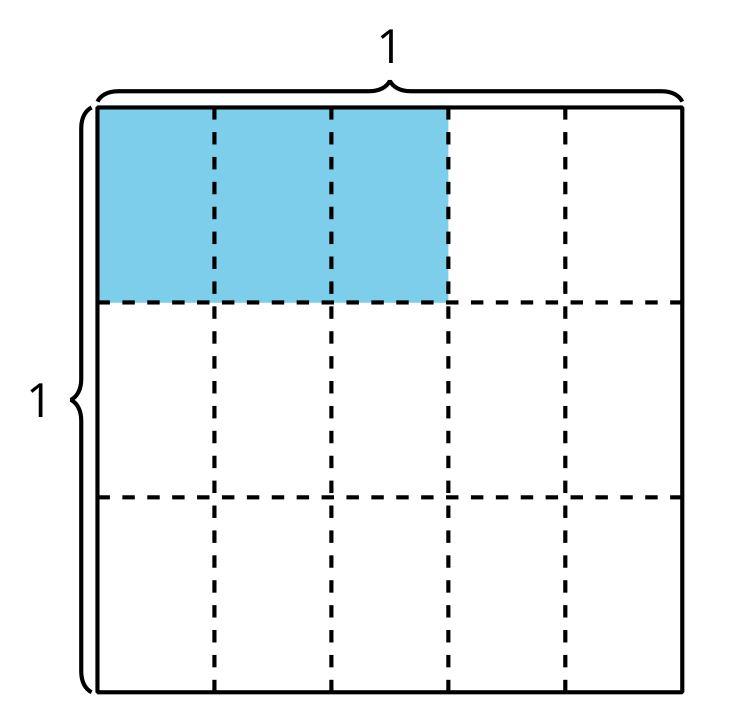
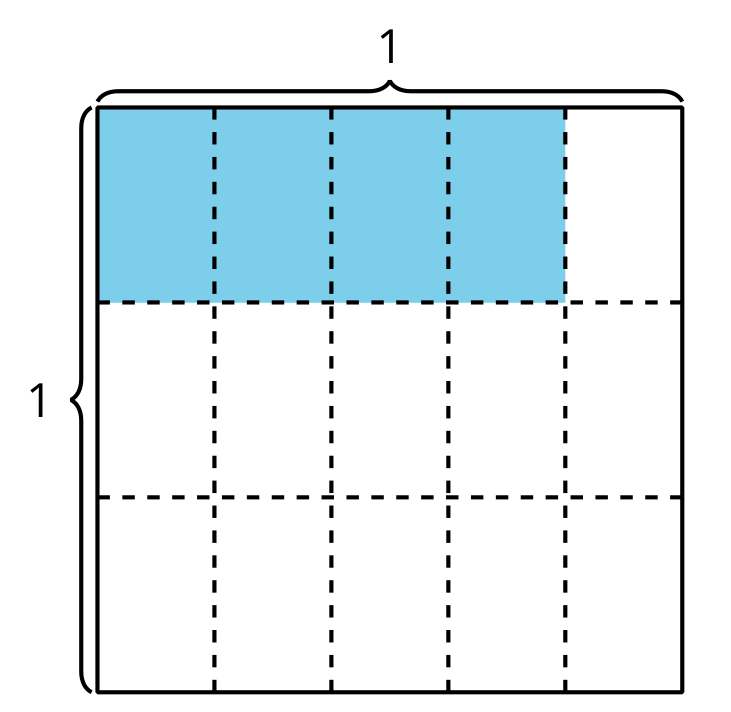
Record an estimate that is:

|  |  |  |
| --- | --- | --- |
| too low | about right | too high |
|  |  |  |

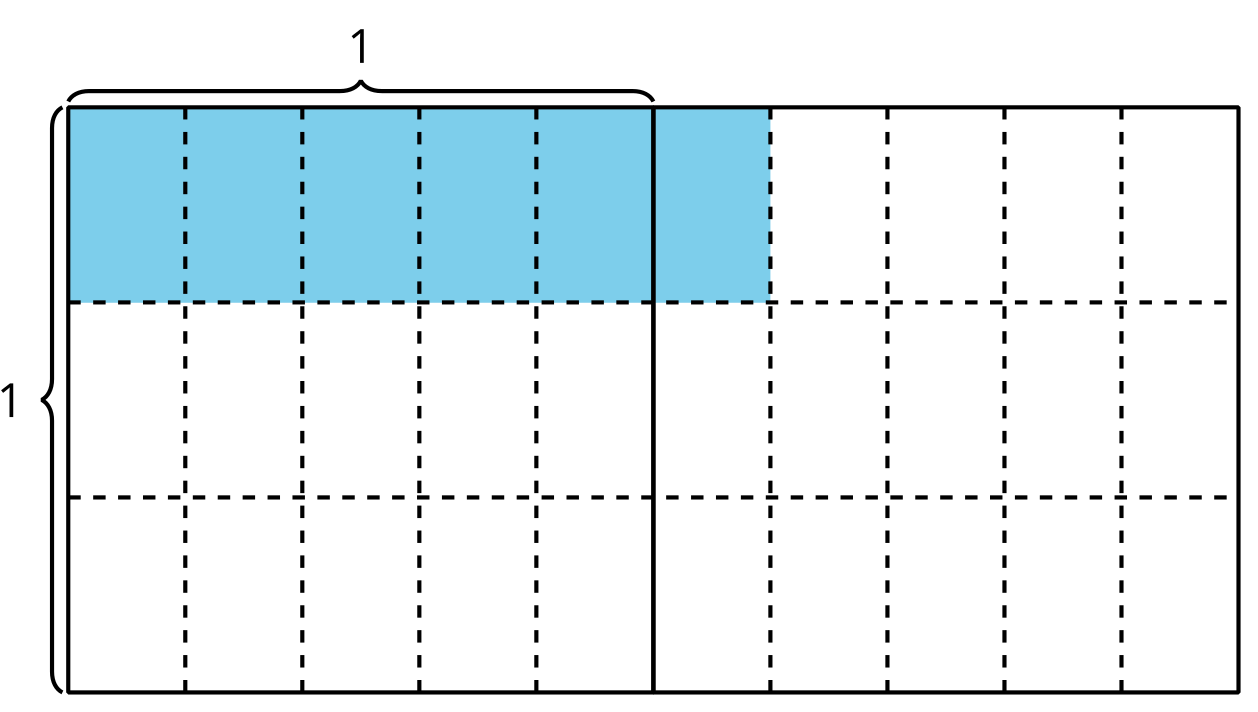
### 1 Write Equations

#### Student Task Statement

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

* A
* B
* C

1. What patterns do you notice in the multiplication expressions?
2. Han wrote this equation to represent the area of the shaded region. Explain how the diagram represents the equation.

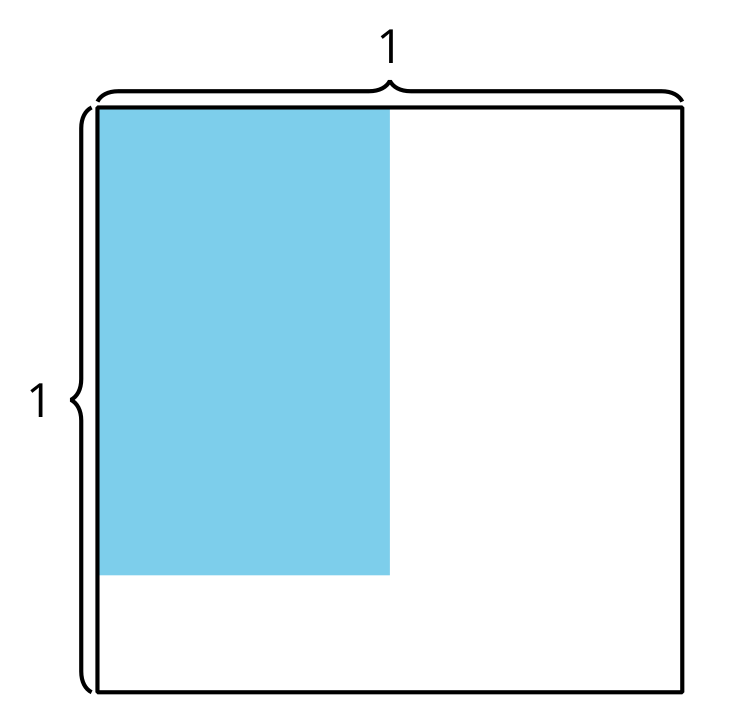
* 

### 2 Estimate With Expressions

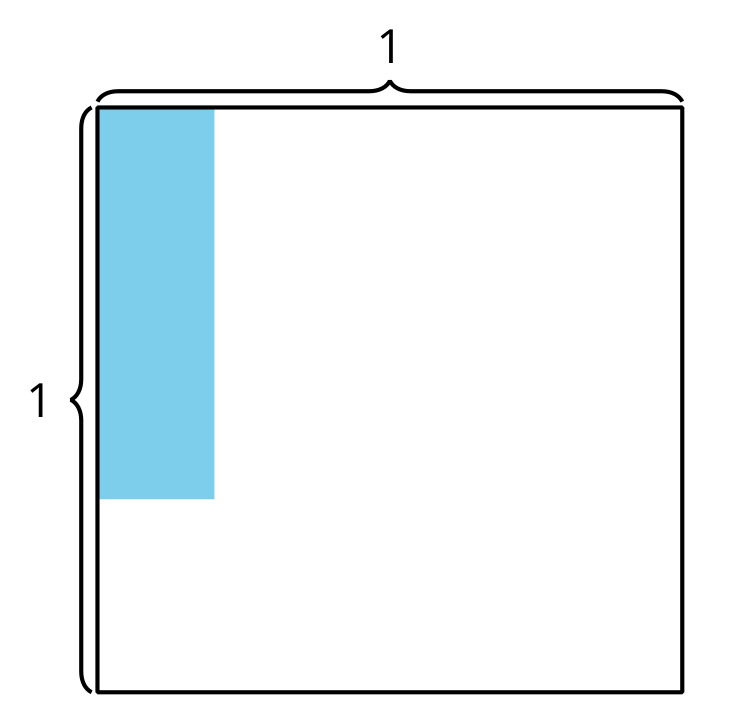
#### Student Task Statement

Write a multiplication expression that might represent the area of the shaded region. Be prepared to explain your reasoning.

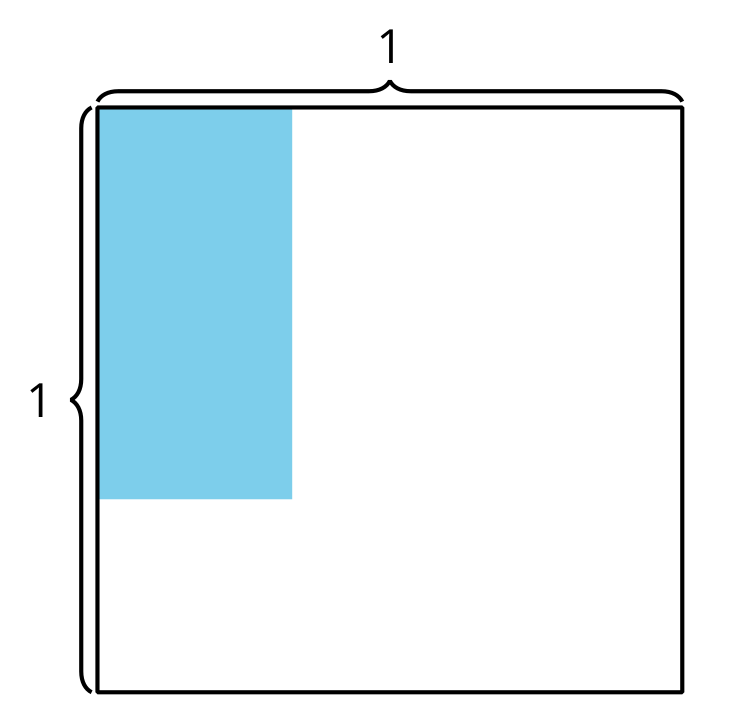


* 

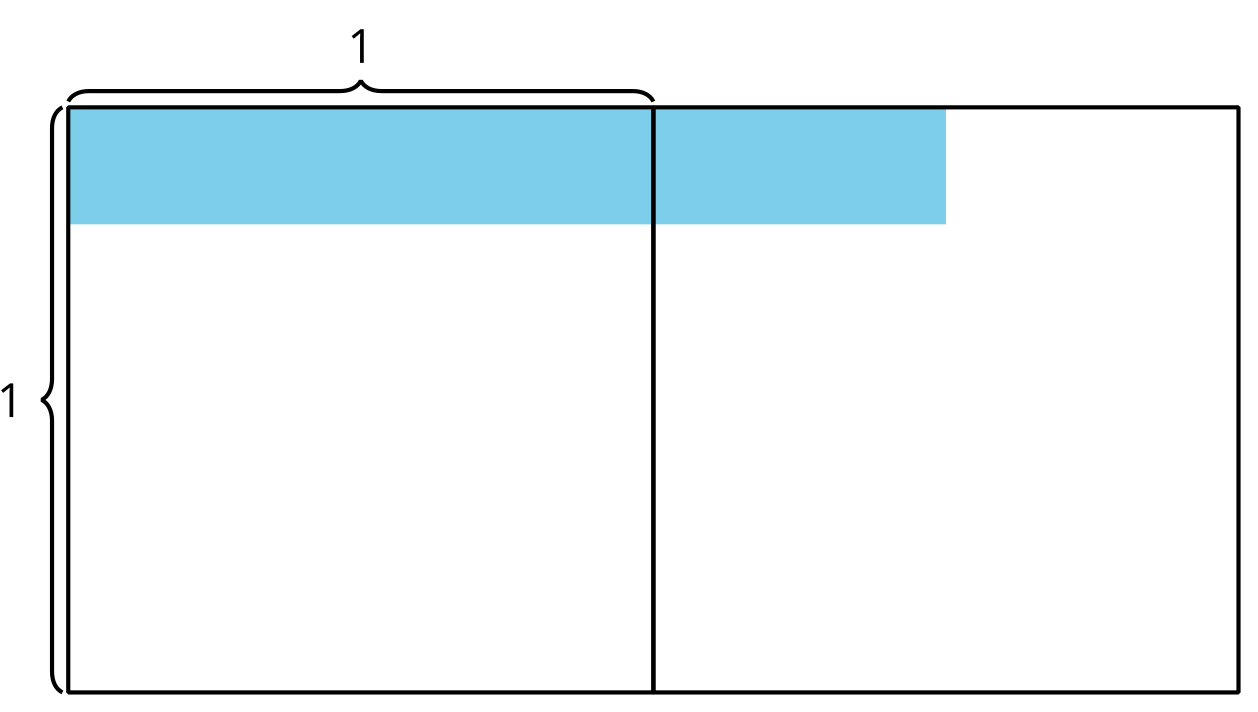


* 



* 



* 



© CC BY 2021 Illustrative Mathematics®