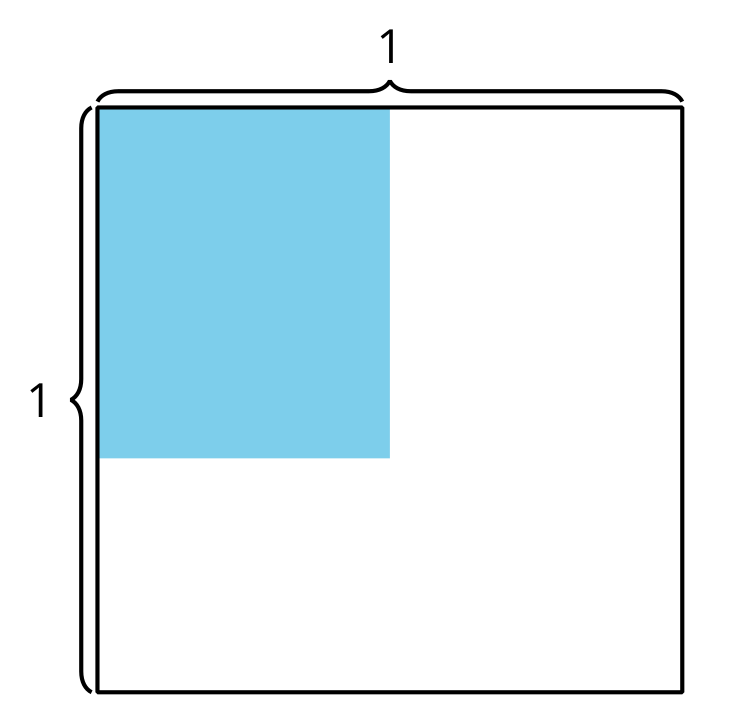
## Lesson 5: Multiply a Unit Fraction by a Non-unit Fraction

* 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?

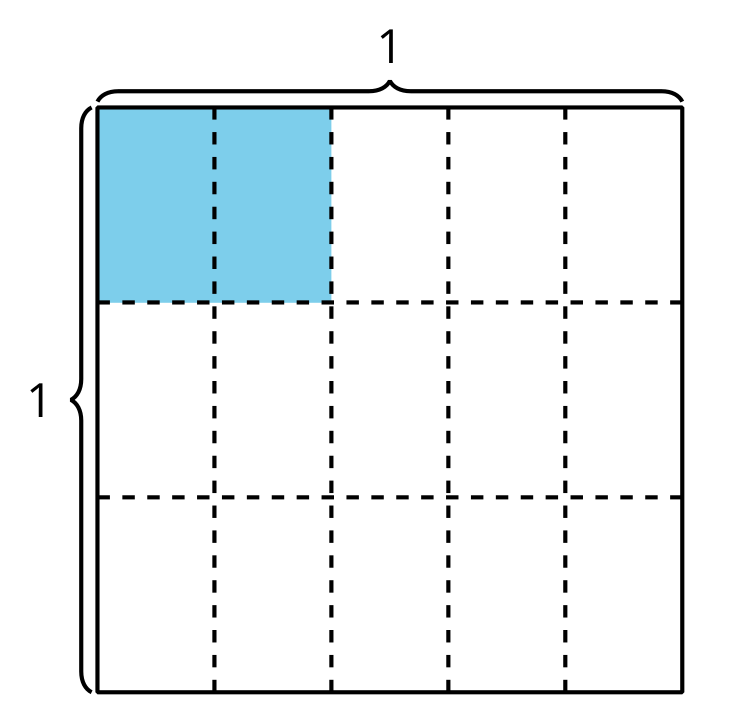
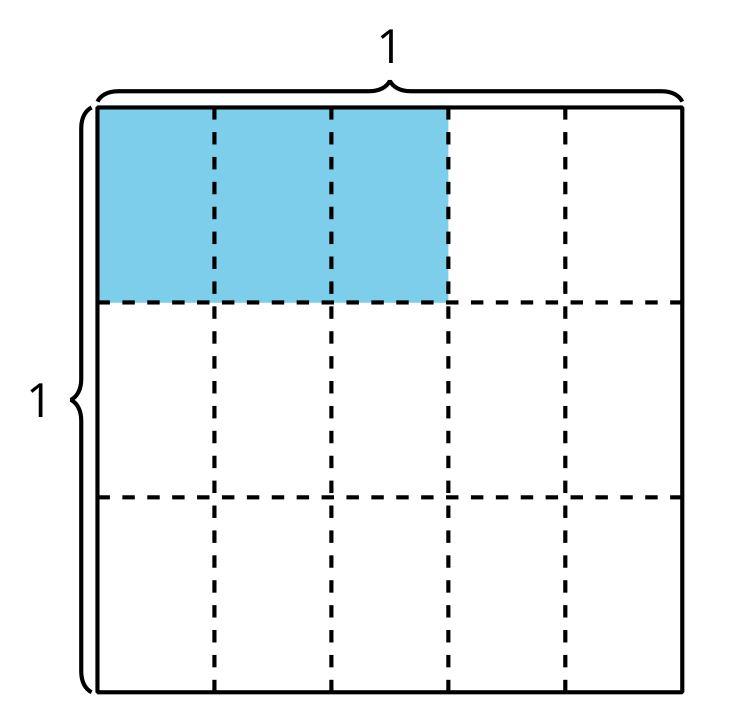
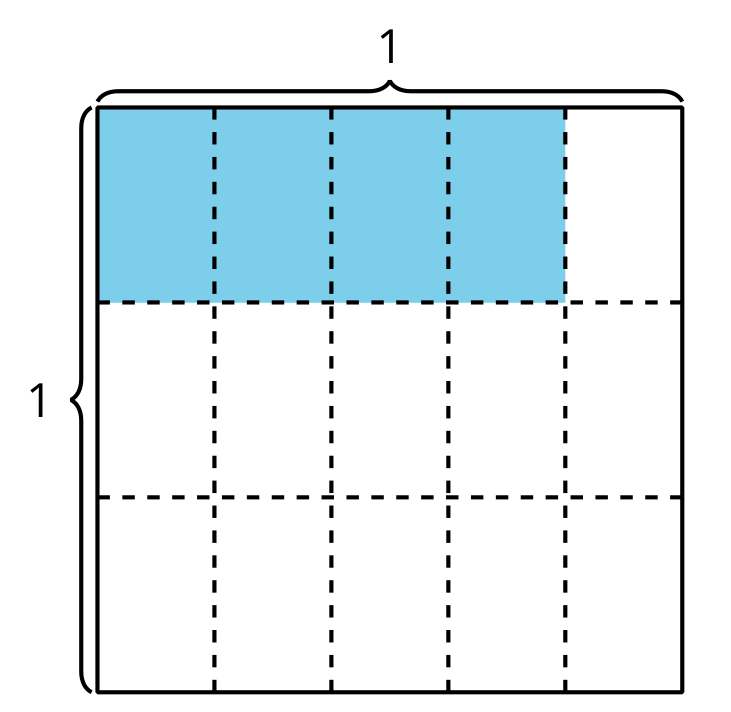


Record an estimate that is:

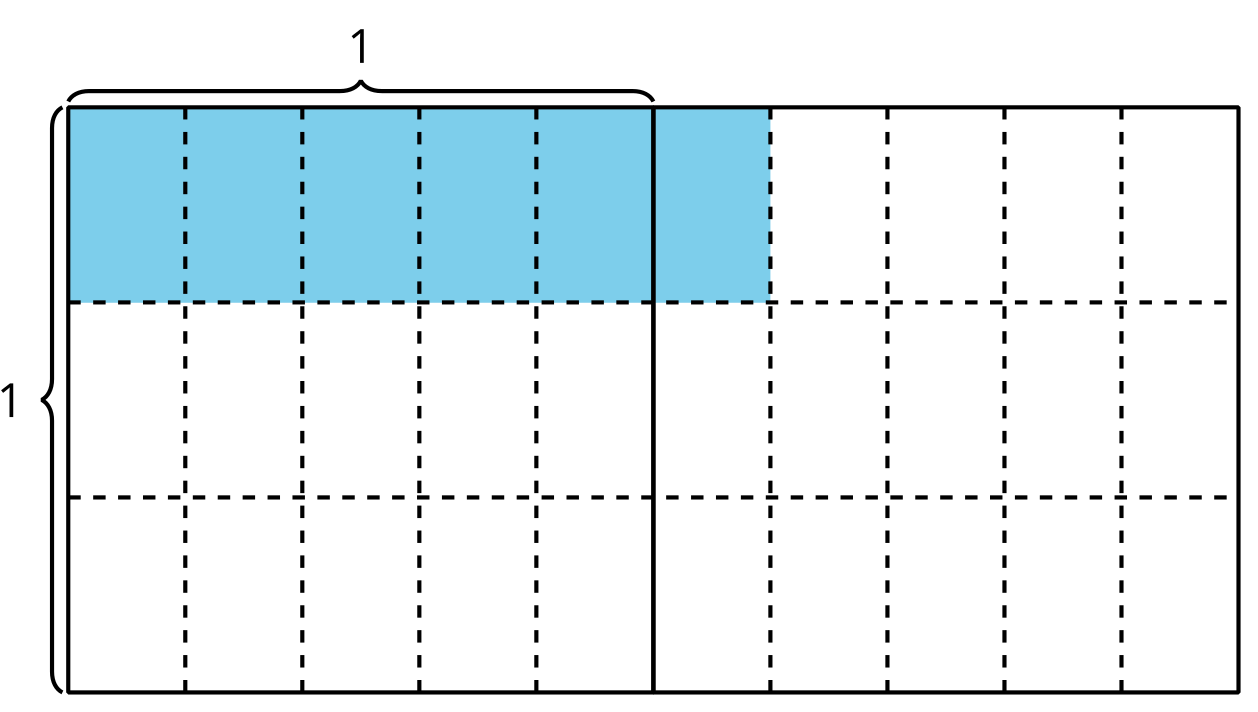
|  |  |  |
| --- | --- | --- |
| too low | about right | too high |
|  |  |  |

### 5.1: Write Equations

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

* A
* B
* C

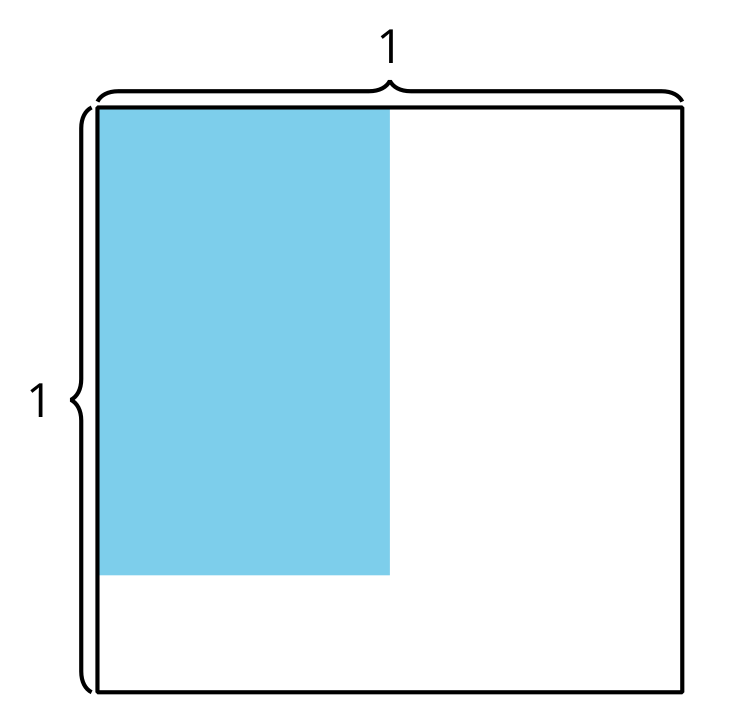
1. What patterns do you notice in the multiplication expressions?
2. Han wrote this equation to represent the area of the shaded region. Explain how the diagram represents the equation.

* 

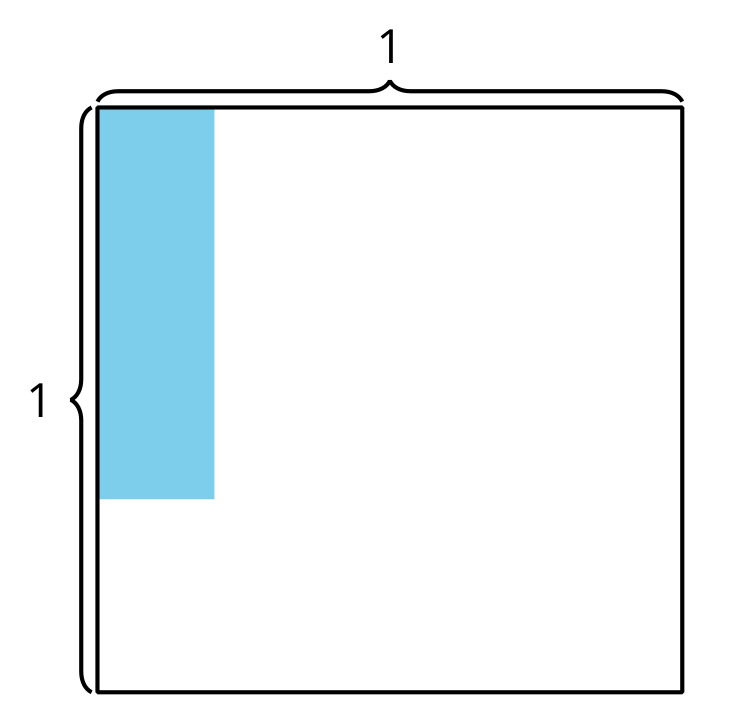
### 5.2: Estimate With Expressions

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

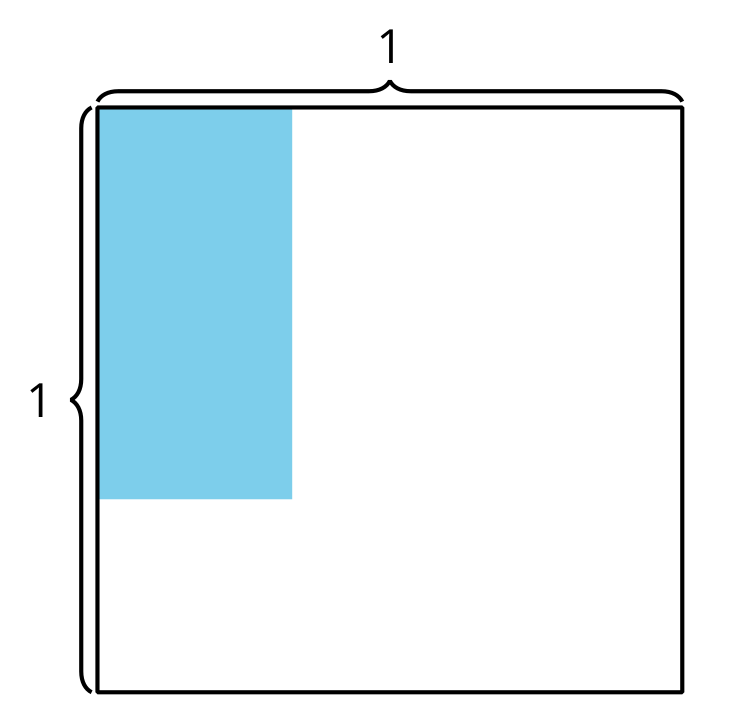


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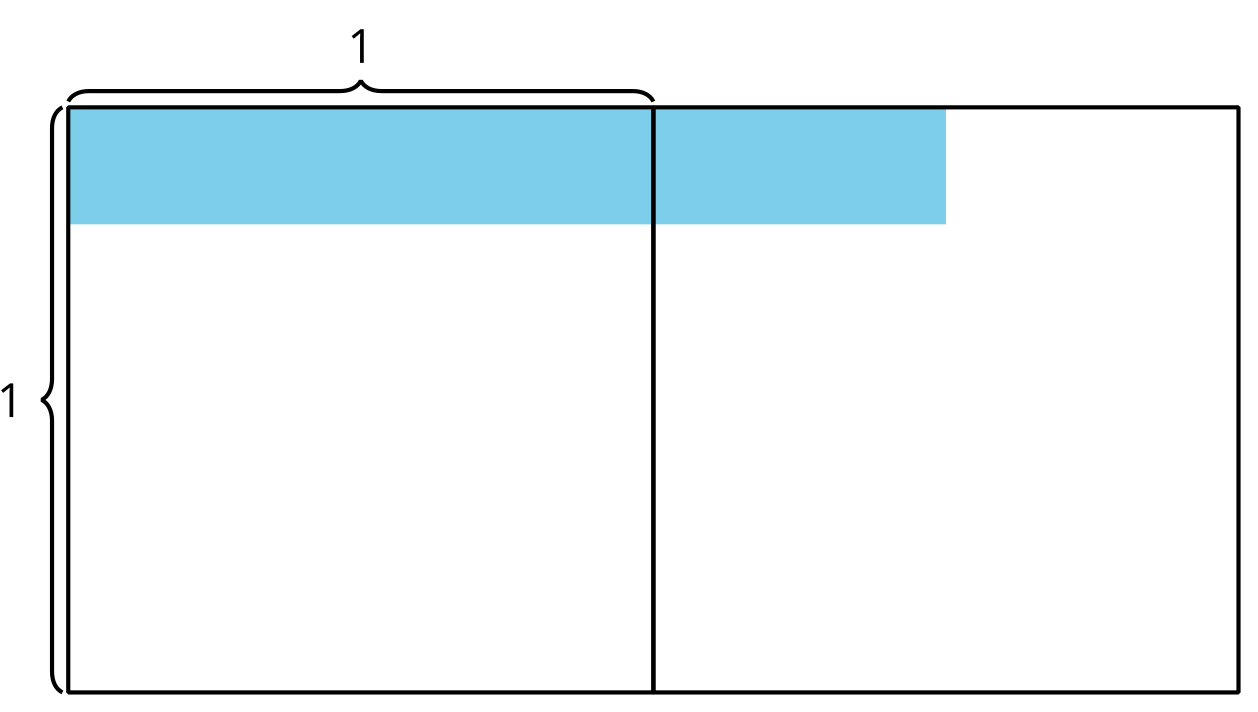


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