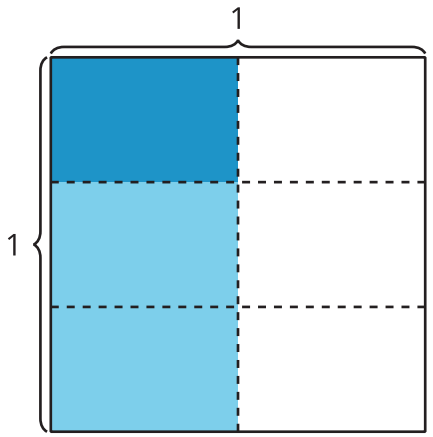
Lesson 2: Represent Unit Fraction Multiplication

- Let's write expressions to represent multiplication of unit fractions.

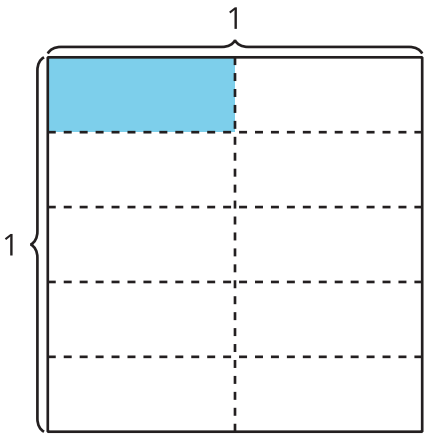
Warm-up: Which One Doesn't Belong: Diagrams

Which one doesn't belong?

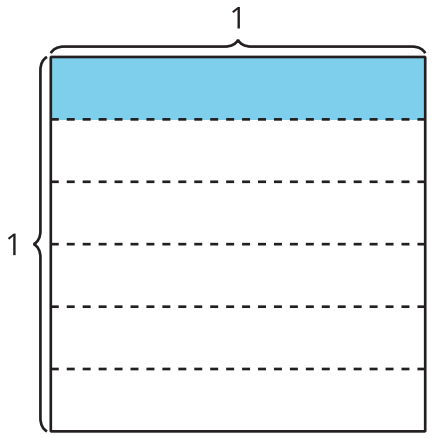
A



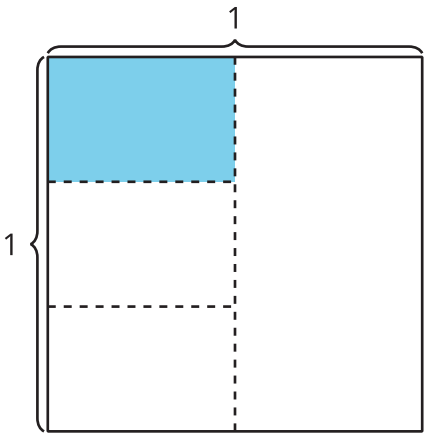
B



C



D

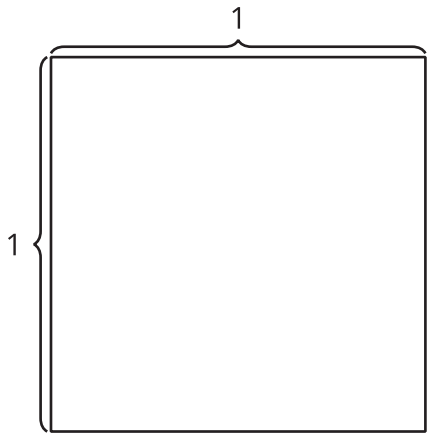


2.1: Interpret Diagrams

1. Show $\frac{1}{3}$ of the square.

   Shade $\frac{1}{4}$ of $\frac{1}{3}$ of the square.

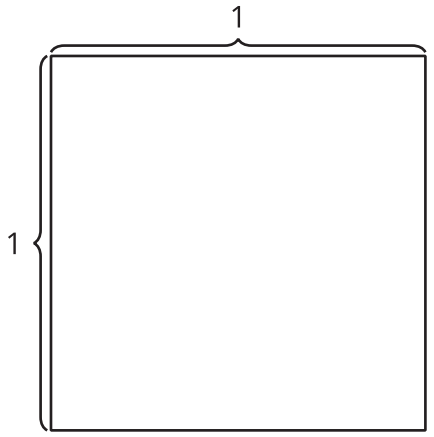
   How much of the whole square is shaded?



2. Show $\frac{1}{4}$ of the square.

   Shade $\frac{1}{3}$ of $\frac{1}{4}$ of the square.

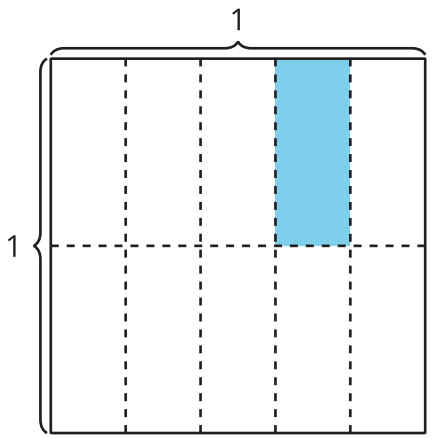
   How much of the whole square is shaded?



3. How are the diagrams the same and how are they different?

2.2: Write an Expression

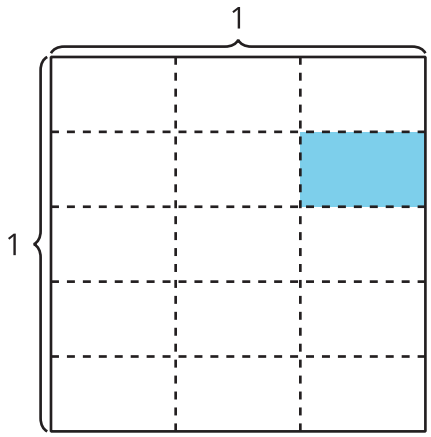
Priya shaded part of a square.



1. Explain or show how the expression $\frac{1}{5} \times \frac{1}{2}$ represents the area of the shaded piece.

2. Explain or show how the expression $\frac{1}{2} \times \frac{1}{5}$ represents the area of the shaded piece.

3. Write a multiplication expression to represent the area of the shaded piece. Be prepared to explain your reasoning.



4. How much of the whole square is shaded?