

## Grade 5 Unit 3

### Lesson 2

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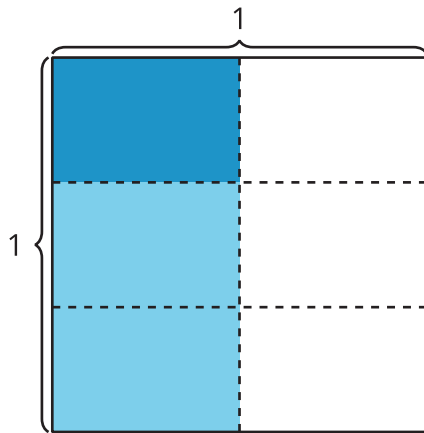
## Unit 3 Lesson 2: Represent Unit Fraction Multiplication

### WU Which One Doesn't Belong: Diagrams (Warm up)

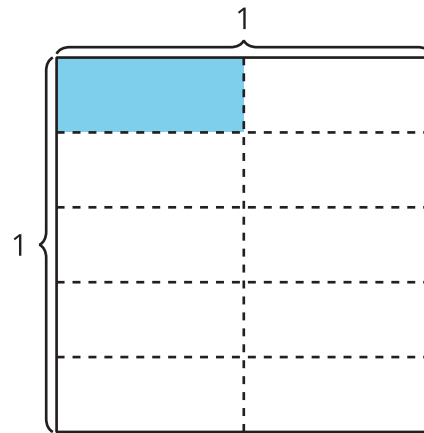
#### Student Task Statement

Which one doesn't belong?

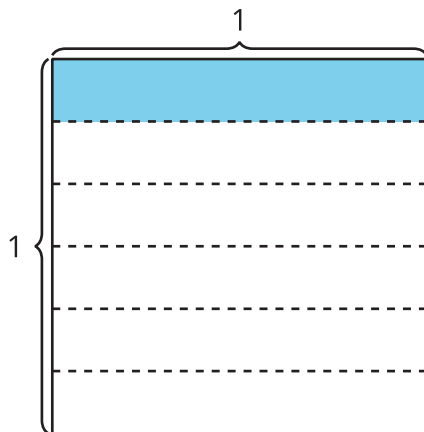
**A**



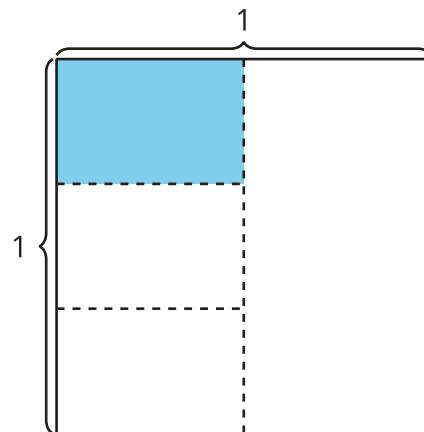
**B**



**C**



**D**



## 1 Interpret Diagrams

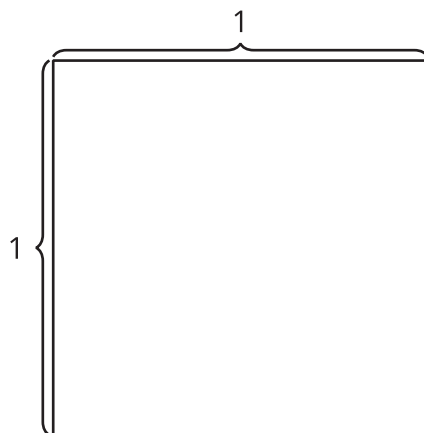
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### Student Task Statement

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

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

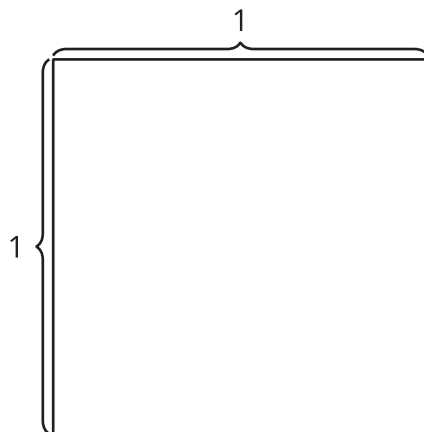
How much of the whole square is shaded?



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?

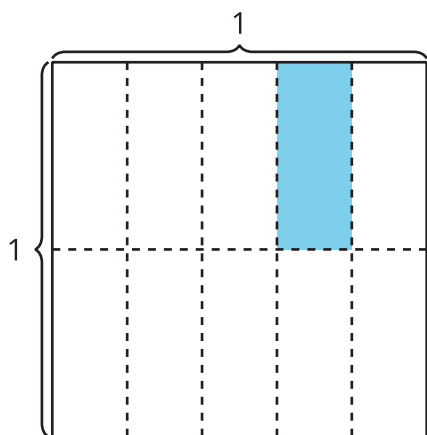


3. How are the diagrams the same and how are they different?

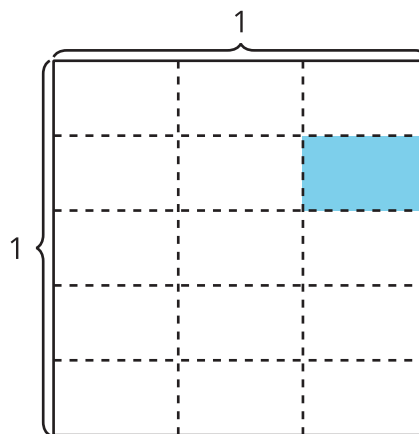
## 2 Write an Expression

### Student Task Statement

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?