## 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

#### 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?
* 
1. 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?
* 
1. 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 $\frac{1}{5}×\frac{1}{2}$ represents the area of the shaded piece.
2. Explain or show how the expression $\frac{1}{2}×\frac{1}{5}$ 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.
* 
1. How much of the whole square is shaded?



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