

Grade 5 Unit 3

Lesson 2

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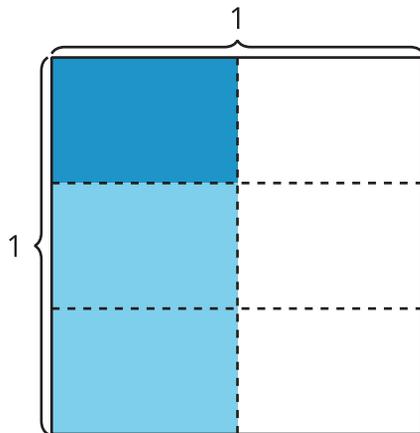
Unit 3 Lesson 2: Represent Unit Fraction Multiplication

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

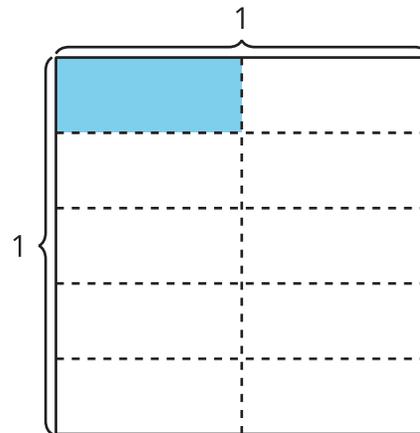
Student Task Statement

Which one doesn't belong?

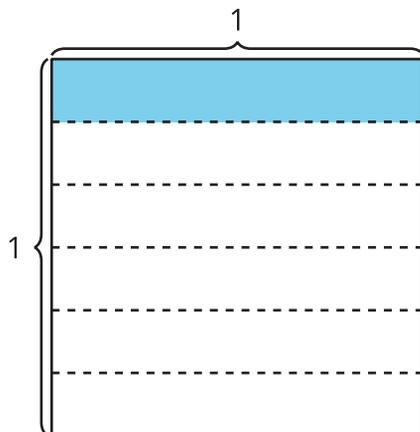
A



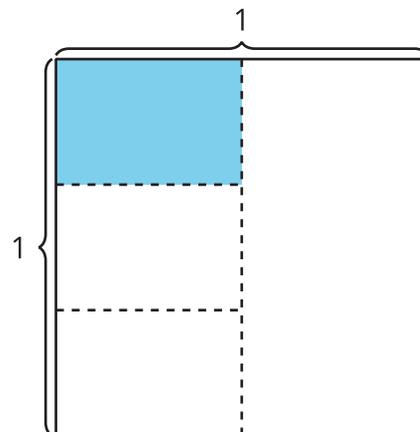
B



C



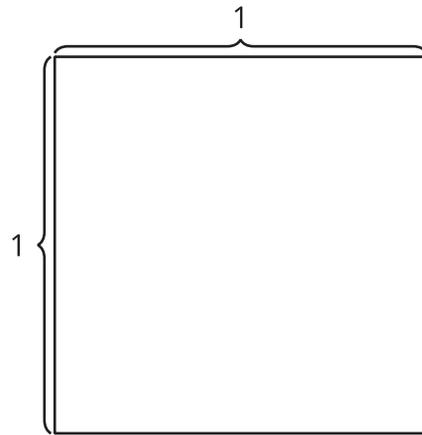
D



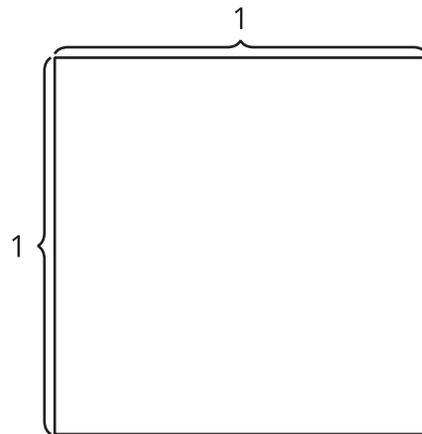
1 Interpret Diagrams

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?

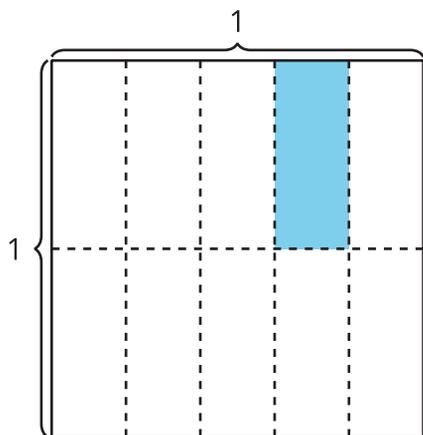


3. How are the diagrams the same and how are they different?

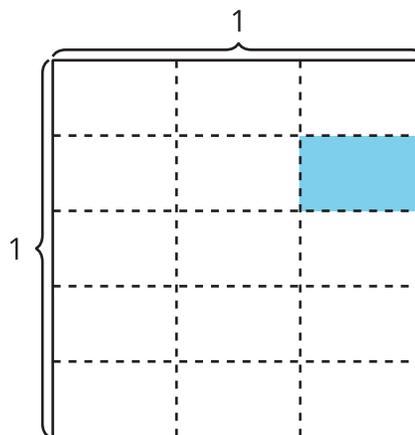
2 Write an Expression

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?