## Unit 2 Lesson 8: Divide to Multiply Non-unit Fractions

### WU True or False: A Fraction by a Whole Number (Warm up)

#### Student Task Statement

Decide if each statement is true or false. Be prepared to explain your reasoning.

* $2×\left(\frac{1}{3}×6\right)=\frac{2}{3}×6$
* $2×\left(\frac{1}{3}×6\right)=2×\left(6÷3\right)$
* $\frac{2}{3}×6=2×\left(\frac{1}{4}×6\right)$

### 1 Multiply a Whole Number by a Fraction

#### Student Task Statement

Find the value of each expression. Explain or show your reasoning. Draw a diagram if it is helpful.

1. $\frac{1}{5}×3$
2. $\frac{2}{5}×3$
3. $\frac{3}{5}×3$

### 2 Match Expressions to Diagrams

#### Student Task Statement

Explain how each expression represents the shaded region.



1. $2×\left(3÷5\right)$
2. $\frac{6}{5}$
3. $3×\frac{2}{5}$
4. $3×2×\frac{1}{5}$



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