

Grade 5 Unit 3

Lesson 8
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Unit 3 Lesson 8: Apply Fraction Multiplication

WU Number Talk: Fraction Multiplication (Warm up)

Student Task Statement

Find the value of each expression mentally.

- $\bullet \quad \frac{1}{3} \times \frac{3}{5}$
- $\bullet \quad \frac{2}{3} \times \frac{3}{5}$
- $\bullet \quad \frac{5}{3} \times \frac{3}{5}$
- $\bullet \quad \frac{2}{3} \times \frac{13}{5}$

1 Flags

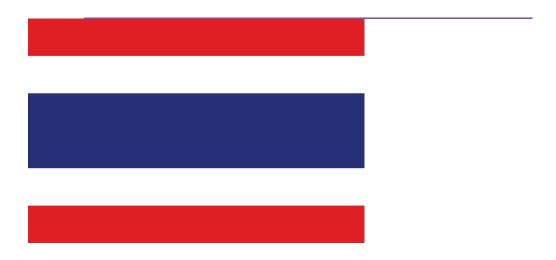
Student Task Statement



SELECTION OF WORLD FLAGS, 1968

* Also known as Surinam

Jada has a small replica of a flag of Thailand.



It is 5 inches wide and $7\frac{1}{2}$ inches long.

- 1. What is the area of the flag? Explain or show your reasoning.
- 2. Each red stripe is $\frac{5}{6}$ inches wide. What is the area of each red stripe? Explain or show your reasoning.
- 3. The blue stripe is $\frac{10}{6}$ inches wide. What is the area of the blue stripe? Explain or show your reasoning.

2 More Flags

Student Task Statement

Han has a replica of the flag of Colombia.



It is $3\frac{1}{2}$ inches wide and $5\frac{1}{4}$ inches long. The yellow stripe is $\frac{1}{2}$ of the width of the flag and the blue and red stripes are each $\frac{1}{4}$ of the width.

- 1. $\frac{1}{4} \times 3\frac{1}{2} = \frac{7}{8}$. The answer is $\frac{7}{8}$ inch. What is the question?
- 2. $\frac{1}{2} \times 3\frac{1}{2} = \frac{7}{4}$ and $\frac{7}{4} \times \frac{21}{4} = \frac{147}{16}$. The answer is $\frac{147}{16}$ square inches. What is the question?