## Unit 8 Lesson 17: True or False?

### WU True or False: Fraction Addition (Warm up)

#### Student Task Statement

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

* $\frac{3}{4}+\frac{3}{8}=\frac{3}{8}+\frac{3}{8}$
* $\frac{7}{5}+\frac{2}{3}=\frac{21}{15}+\frac{8}{15}$
* $\frac{8}{9}+\frac{5}{12}=\frac{32}{36}+\frac{15}{36}$

### 1 True or False: Design 1

#### Student Task Statement

Write an equation to complete the True and False task. Be prepared to share your reasoning for the last equation.

* $\frac{5}{6}−\frac{4}{9}=\frac{45}{54}−\frac{24}{54}$
* $\frac{5}{6}−\frac{4}{9}=\frac{15}{36}$
* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

### 2 Design 2

#### Student Task Statement

Write two equations to complete the True or False task. Be prepared to share your reasoning for the equations.

* $\frac{8}{14}+\frac{3}{7}=\frac{4}{7}+\frac{3}{7}$
* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

### 3 Design 3

#### Student Task Statement

Write three equations to complete the True or False task. Be prepared to share your reasoning for the equations.

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