

**Grade 3 Unit 5**

Lesson 16

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**Unit 5 Lesson 16: Compare Fractions with the Same Numerator****WU True or False: Unit Fractions (Warm up)**

## Student Task Statement

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

- $\frac{1}{2} > \frac{1}{4}$
- $\frac{1}{4} > \frac{1}{3}$
- $\frac{1}{6} > \frac{1}{8}$

**1 Five Parts of Something**

## Student Task Statement

1. Priya says that  $\frac{5}{6}$  is greater than  $\frac{5}{8}$ .

Tyler says that  $\frac{5}{8}$  is greater than  $\frac{5}{6}$ .

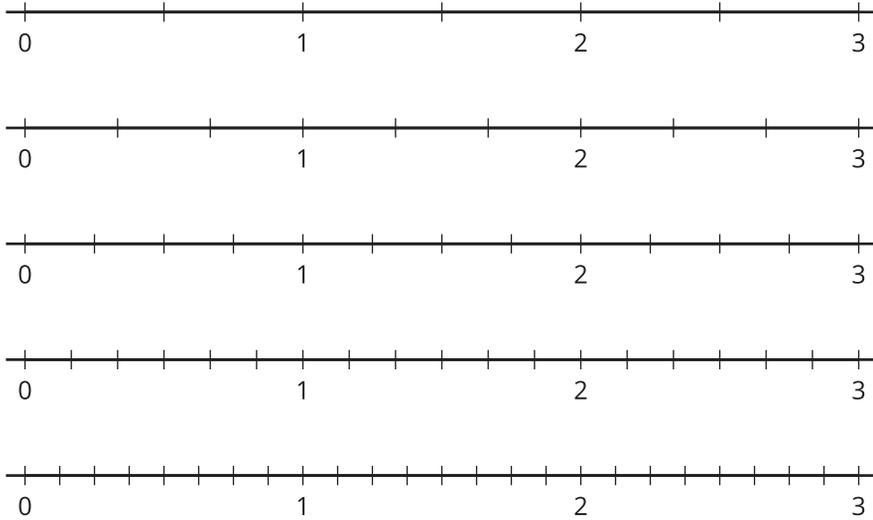
Who do you agree with? Show your thinking using diagrams or number lines.

2. For each pair of fractions, which fraction do you think is greater?

- a.  $\frac{5}{3}$  or  $\frac{5}{4}$   
b.  $\frac{5}{8}$  or  $\frac{5}{2}$   
c.  $\frac{5}{6}$  or  $\frac{5}{4}$



3. Locate and label each fraction on a number line:  $\frac{5}{2}$ ,  $\frac{5}{3}$ ,  $\frac{5}{4}$ ,  $\frac{5}{6}$ ,  $\frac{5}{8}$ .



What do you notice about the points? Make 1–2 observations.

## 2 Fractions with the Same Numerator

### Student Task Statement

1. For each pair of fractions, circle the fraction that is greater. Explain or show your reasoning.

a.  $\frac{1}{4}$  and  $\frac{1}{3}$

b.  $\frac{3}{4}$  and  $\frac{3}{8}$

c.  $\frac{5}{3}$  and  $\frac{5}{6}$

d.  $\frac{9}{8}$  and  $\frac{9}{6}$

2. Use the symbols  $>$  or  $<$  to make each statement true. Be prepared to explain your reasoning.

a.  $\frac{2}{2}$  \_\_\_\_\_  $\frac{2}{6}$

b.  $\frac{4}{3}$  \_\_\_\_\_  $\frac{4}{8}$

c.  $\frac{8}{8}$  \_\_\_\_\_  $\frac{8}{4}$

d.  $\frac{5}{4}$  \_\_\_\_\_  $\frac{5}{3}$

3. Write in the missing denominator of the fraction to make each statement true. Be prepared to explain your reasoning.

a.  $\frac{1}{3} < \frac{1}{\quad}$

b.  $\frac{6}{4} > \frac{6}{\quad}$

c.  $\frac{4}{4} < \frac{4}{\quad}$

d.  $\frac{2}{6} < \frac{2}{\quad}$