Name : _____

Math 6/Mrs. Sperling

ORDERING AND COMPARING FRACTIONS

COMMON SENSE:

* If the denominators are the same, compare the numerators. The larger the numerator, the greater the value.

$$\frac{5}{13} < \frac{9}{13}$$

* If the numerators are the same, compare the denominators. The larger the denominator, the smaller the value…more pieces!

$$\frac{7}{8} > \frac{7}{20}$$

Pencil and Paper Methods:

1) Cross Product:

$$\frac{5}{7} \bigcirc \frac{6}{8}$$

Use the cross product to compare fractions. The larger the product, the greater the fraction.

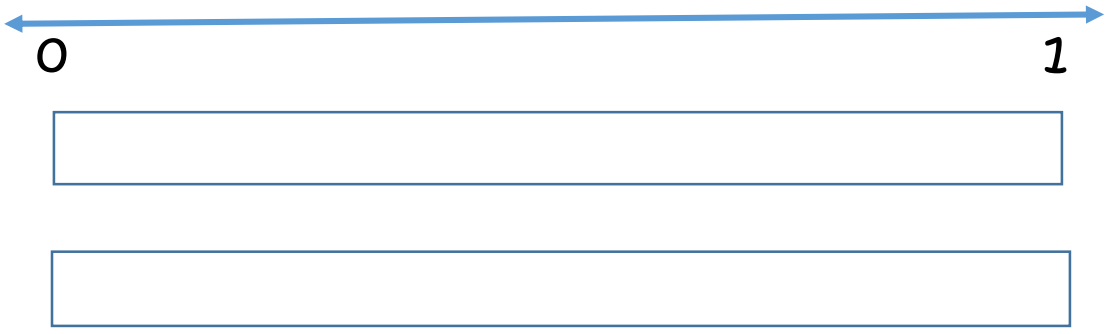
2) Rewrite fractions using the Lowest Common Denominator (LCD)…which is the same value as the LCM!

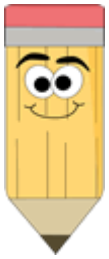
$\frac{5}{7} \bigcirc \frac{6}{8}$

3) Convert fractions into decimals and compare.

$\frac{5}{7} \bigcirc \frac{6}{8}$

4) Draw fraction bars. The value closer to 1 is the larger value.





You Got This!

Compare the following fractions:

1. $\frac{5}{6}$ ◯ $\frac{5}{8}$

2. $\frac{1}{4}$ ◯ $\frac{5}{12}$

Order the following fractions and decimals in order from least to greatest:

3. $\frac{2}{3}$, 0.33, $\frac{4}{9}$ _____

4. $\frac{11}{11}$, 0.375, $\frac{11}{3}$ _____