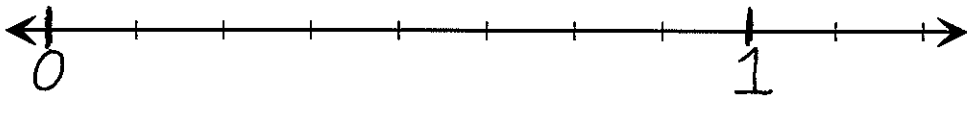
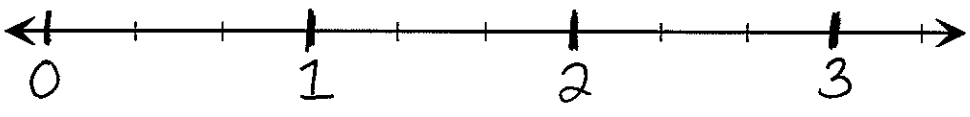
Fractions on The Number Line

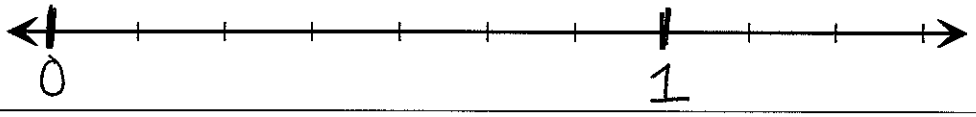
1) Plot 3/8



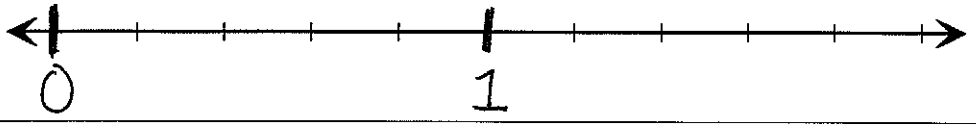
2) Plot 7/3



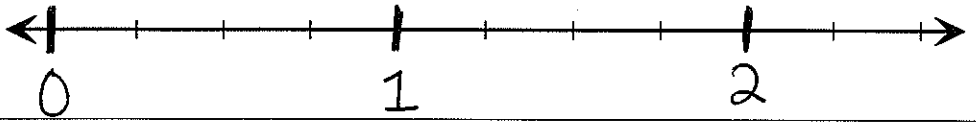
3) Plot 7/7



4) Plot 2/5

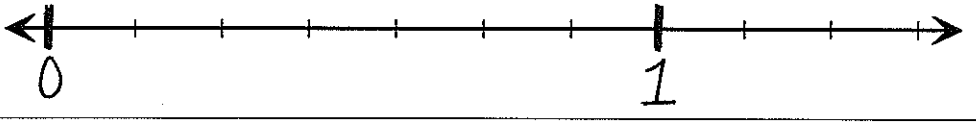


5) Plot 5/4

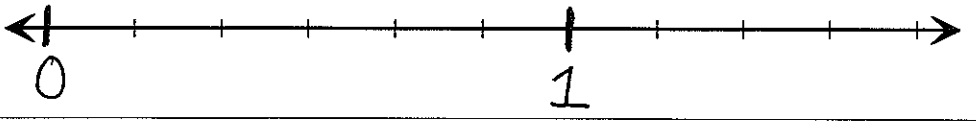


6) Plot 8/2

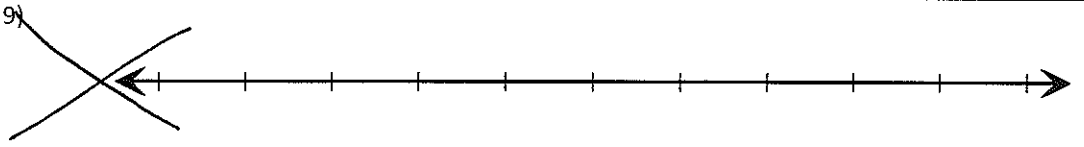
7) Plot 9/7



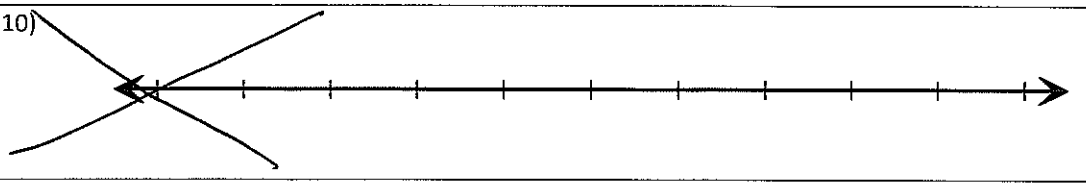
8) Plot 9/6



9)



10)



Name _____

Compare and Order Fractions

The three fractions $\frac{2}{3}$, $\frac{3}{4}$, and $\frac{2}{6}$ are arguing about who is the largest.

You can settle the argument by finding a common multiple for the denominators.

Step 1

Find the product of all three denominators.

$3 \times 4 \times 6 = 72$

72 is a common multiple.

Use it for the denominator.

Step 2

Rename each fraction so that 72 is the denominator.

$\frac{2 \times 24}{3 \times 24} = \frac{48}{72}$

$\frac{3 \times 18}{4 \times 18} = \frac{54}{72}$

$\frac{2 \times 12}{6 \times 12} = \frac{24}{72}$

Step 3

Compare the numerators. Put them in order from least to greatest.

$\frac{24}{72} < \frac{48}{72} < \frac{54}{72}$

$\downarrow \quad \downarrow \quad \downarrow$

$\frac{2}{6} < \frac{2}{3} < \frac{3}{4}$

So, $\frac{3}{4}$ is the largest fraction.

Find the product of the denominators.

1. $\frac{2}{5}, \frac{3}{4}, \frac{5}{7}$ _____

2. $\frac{2}{9}, \frac{1}{3}, \frac{1}{2}$ _____

3. $\frac{1}{2}, \frac{1}{5}, \frac{1}{8}$ _____

Rename the fractions by using a common denominator.

4. $\frac{2}{5}, \frac{3}{4}, \frac{5}{7}$ _____

5. $\frac{2}{9}, \frac{1}{3}, \frac{1}{2}$ _____

6. $\frac{1}{2}, \frac{1}{5}, \frac{1}{8}$ _____

Compare and order from least to greatest.

7. $\frac{2}{5}, \frac{3}{4}, \frac{5}{7}$ _____

8. $\frac{2}{9}, \frac{1}{3}, \frac{1}{2}$ _____

9. $\frac{1}{2}, \frac{1}{5}, \frac{1}{8}$ _____