

Name _____ Date _____

Using Number Lines with Percentages Guided Lesson Explanation

Step 1) Convert the fractions to percentages. The simple conversion strategy is to a) divide the numerator by the denominator, b) multiply that value by 100, and c) don't forget to add a "%".

$$\frac{3}{5} = \text{A) } 3 \div 5 = 0.6 \mid \text{ B) } 0.6 \times 100 = 60 \mid \text{ C) } 60\%$$

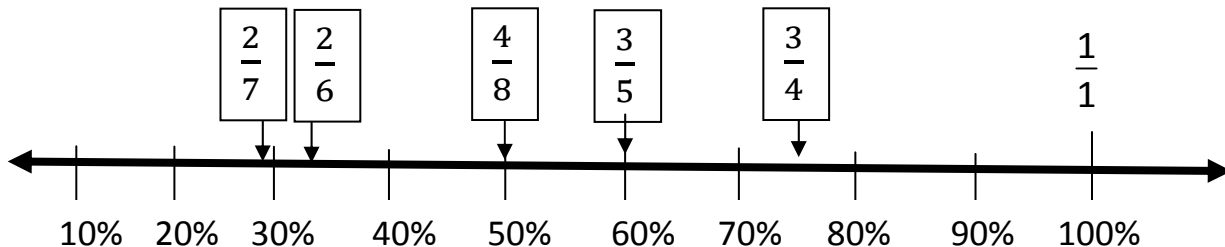
$$\frac{2}{7} = \text{A) } 2 \div 7 = 0.29 \mid \text{ B) } 0.29 \times 100 = 29 \mid \text{ C) } 29\%$$

$$\frac{2}{6} = \text{A) } 2 \div 6 = 0.33 \mid \text{ B) } 0.33 \times 100 = 33 \mid \text{ C) } 33\%$$

$$\frac{3}{4} = \text{A) } 3 \div 4 = 0.75 \mid \text{ B) } 0.75 \times 100 = 75 \mid \text{ C) } 75\%$$

$$\frac{4}{8} = \text{A) } 4 \div 8 = 0.5 \mid \text{ B) } 0.5 \times 100 = 50 \mid \text{ C) } 50\%$$

Step 2) Place the values on the number line.



Step 3) Use the chart to find where the fraction and percentage values are.

$$\frac{2}{6} \quad \text{<} \quad 40\%$$

$$\frac{4}{8} \quad \text{=} \quad 50\%$$

$$30\% \quad \text{>} \quad \frac{2}{7}$$

We can see that the fraction is to the left of the percentage on the number line. This means the fraction is smaller than the percentage.

The fraction and the percentage are found at the same point on the number line, therefore they are equal.

We can see that the fraction is to the left of the percentage on the number line. This means the fraction is smaller than the percentage.

