Definitions:
- Percent – Ratio representing some part out of 100

**Objective 1:** Write a percent as a fraction or a decimal number

**Objective 2:** Write a fraction or a decimal as a percent

* For both objectives, use the steps below:

1. **To change a decimal to a percent:**
   - Move the decimal point 2 times to the right
   
   \[ .50 = .50 = 50\% \]

2. **To change a percent to a decimal:**
   - Move the decimal 2 times to the left
   
   \[ 50\% = 50 = .50 \]

3. **To change a decimal to a fraction:**
   - Count out to the final place value of the decimal…that place value will become your denominator
   - Place the numbers to the right of the decimal in the numerator
   - Any number to the left of the decimal will be the whole number in the fraction
   - Reduce if necessary
   
   \[ .50 = \frac{50}{100} = \frac{1}{2} \]

4. **To change a percent to a fraction:**
   - Put your percent over 100, drop the percent sign, and reduce
   
   \[ 50\% = \frac{50}{100} = \frac{1}{2} \]
5. **To change a fraction to a decimal:**
   - Divide the numerator by the denominator

\[
\frac{1}{2} = 1 \div 2 = 0.5
\]

6. **To change a fraction to a percent:**
   - Change the fraction to a decimal by dividing
   - Change the decimal to a percent by moving the decimal point 2 times to the right

\[
\frac{1}{2} = 1 \div 2 = 0.5 \quad \Rightarrow \quad 50\%
\]