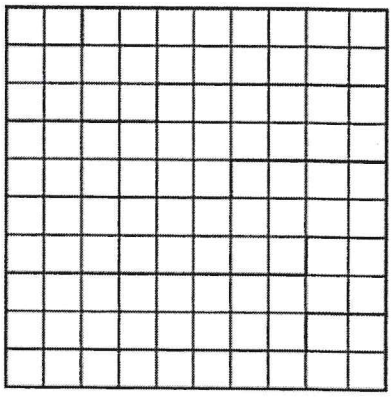
# Percentages as Ratios | Date: _____

**A percent is** _____



This definition makes sense...
**per** means "out of" and **cent** means "100".

Let's consider the ratio 30:100.

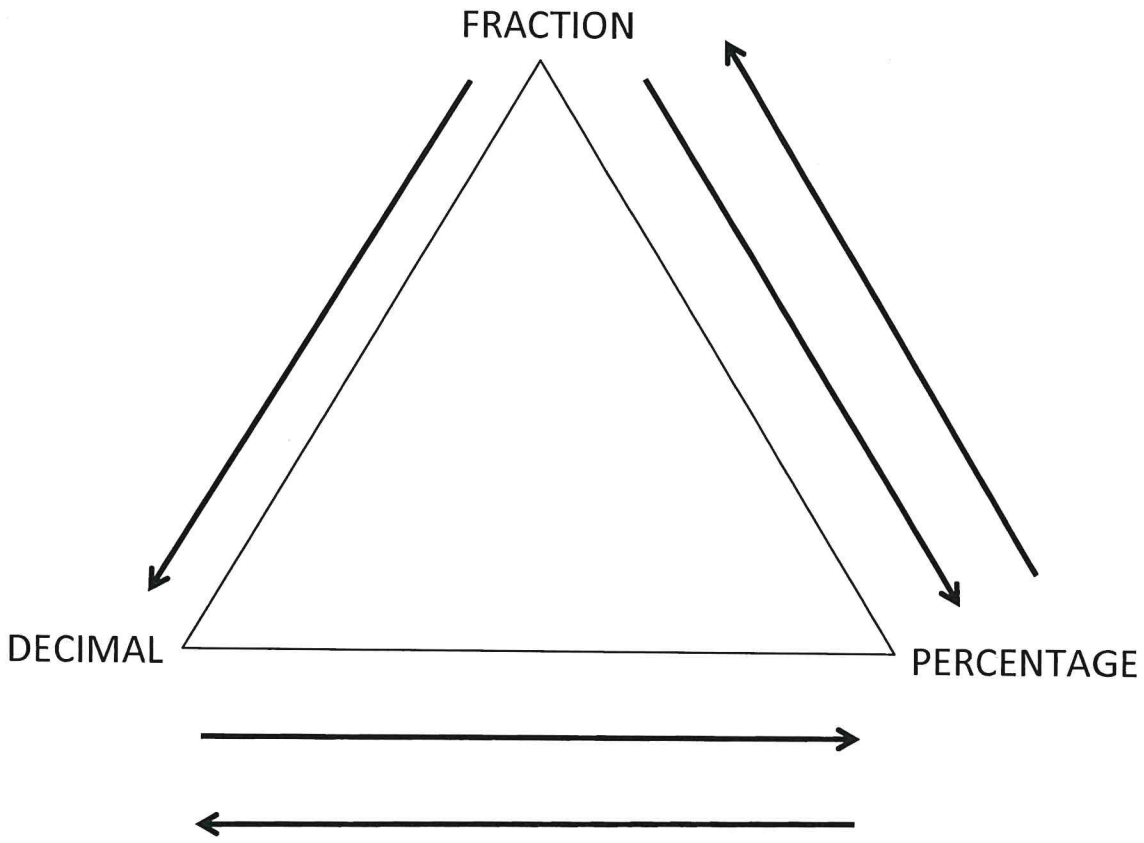
Show this ratio in the diagram to the right.

This ratio can be written 3 different ways:

As a fraction: As a decimal: As a percentage:

You need to be able to convert between each form.

Let's look at the placemat on the back of this sheet to summarize how to do this and then we will come back and summarize below...



# HOW TO CONVERT BETWEEN FRACTIONS, DECIMALS AND PERCENTAGES

## Fraction to Decimal

KEY IDEA:

- _____

1. $\frac{12}{100}$ = _____
2. $\frac{13}{50}$ = _____
3. $\frac{12}{15}$ = _____

## Decimal to Percentage

KEY IDEA:

- _____

1. 0.32 = _____
2. 0.01 = _____
3. 1.54 = _____

## Fraction to Percentage

KEY IDEA:

- _____

1. $\frac{76}{100}$ = _____
2. $\frac{41}{50}$ = _____
3. $\frac{13}{15}$ = _____

## Percentage to Decimal

KEY IDEA:

- _____

1. 25% = _____
2. 2% = _____
3. 350% = _____

## Percentage to Fraction

KEY IDEA:

- _____

1. 47% = _____
2. 5% = _____
3. 110% = _____