

### **Ratios & Proportions: Notes**

# Ratios:

Ratio: a relation between a part and a whole Librat like a fraction, but instead of a it is a: b

Tells us how many times one number contains another

\*\*Treat ratios similar to fractions:

Example: 5 -> 5:6 \*\* always have a colon (:)

(fraction) (ratio) \*\*: means to



## roportions.

Proportions: the relationship between 2 or more ratios Hraction!

Example: == ==

solving Proportions:

· when asked to solve a proportion, you will one place of a number which is unknown represented by a letter (variable), usually X.

= + L You can solve this 2 ways:

### Method # 1:

Find the Lcp and make the numerators equal:

### Method # 2!

- use cross multiplication: denominator with the second numerator

Lynutiply the first numerator wil the scand denominator

to each other

all numbers to the other side of x

X = 9

- # Hinat you do to one side of an equation, you do to the other as well
- \* YOU will mostly divide make it alone
- \* You can almays multiply you ables (letters in place together with themselves or other real numbers