TUTORIAL LEVEL 3

- Chapter 3

Percentages

A percent is a way of **expressing a number** as a **fraction of 100** (percent means per hundredth). It is often marked with a percent sign, %.

Example:

Twenty nine Percent	
FRACTION FORMAT	- 29 out of 100 is written as $^{29}/_{100}$.
DECIMAL FORMAT	- $^{29}/_{100}$ is written as 0.29.
PERCENTAGE FORMAT	- $^{29}/_{100}$ is written as 29%. - 0.29 is written as 29%.

Converting Fractions to Percentages

1. **Divide** the numerator by the denominator to convert the fraction to a decimal.
2. **Multiply** the result by 100.
3. **Add** a percent sign (%) to the result.

Example:

$$\frac{3}{4} = 0.75 \times 100 = 75\%$$

Converting Decimals to Percentages

1. **Multiply** the decimal number by 100.
2. **Add** a percent sign (%) to the result.

Example:

$$0.56 \times 100 = 56\%$$

Converting Percentages to Fractions

1. **Write** the percentage as a fraction with 100 as the denominator.
2. **Simplify** the fraction if possible.

   Example:

$$75\% = \frac{75}{100} = \frac{3}{4}$$

Converting Percentages to Decimals

1. **Divide** the percentage by 100.
2. **Remove** the percent sign (%).

   Example:

$$85\% \div 100 = 0.85$$