TOPIC 3: PERCENTAGE

PERCENTAGES

A percentage is a number expressed as a fraction of 100
- 50% equals to $\frac{50}{100}$

Converting fraction to percentage and vice versa
To find a fraction as a percentage, <u>multiply the fraction by 100</u>
- $\frac{1}{5} = \frac{1}{5}$ x 100 = 20%

To find a percentage as a fraction, <u>divide the percentage by 100</u>
- 20% = $\frac{20}{100} = \frac{1}{5}$

Expressing one quantity as a percentage of another
Eg. Express 2.5 as a percentage of 15
- <u>Step 1</u>: Find the ratio of the 2 numbers in fraction form
- <u>Step 2</u>: Multiply the fraction by 100

Steps:
$\frac{2.5}{15}$ x 100 = 16 $\frac{2}{3}$**%** (answer)

Finding total value given a percentage
Eg. If 15% of a man's salary is $300, what is his salary?
- <u>Step 1</u>: Find out the value of 1% of the amount
- <u>Step 2</u>: Multiply that by 100 to get 100% of the value (total amount)

Steps:
1% of salary = $\frac{300}{15}$ = $20
100% of salary = $20 x 100 = $2000 (answer)

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