

CHAPTER 7**UNITARY METHOD**

1. Introduction of Percentage :- A fraction with its denominator as 100 is called per cent.

The symbol % is used for per cent .

Percentage Formula

To make your calculations quite simple we have provided the Percentage Formula here. Make use of it during your calculations and arrive at the solution easily.

Formula to Calculate Percentage is given by = $(\text{Value}/\text{Total Value}) * 100$

How to Calculate Percentage of a Number?

To find the Percent of a Number check the following procedure

Consider the number to be X

P% of number = X

Removing the % sign we have the formula as under

$P/100 * \text{Number} = X$

Percentage Change

$\% \text{ Change} = ((\text{New Value} - \text{Original Value}) * 100) / \text{Original Value}$

There are two different types when it comes to Percent Change and they are given as under

- Percentage Increase
- Percentage Decrease

Percentage Increase

If the new value is greater than the original value that shows the percentage change in the value is increased from the original number. Percentage Increase is nothing but the subtraction of the original number from the new number divided by the original number.

% increase = (Increase in Value/Original Value) x 100

Percentage Decrease

When the new value is less than the original value, that indicates the percentage change in the value shows the percent decrease in the original number. Percentage Decrease is nothing but the subtraction of new number from the original number.

% Decrease = (Decrease in Value/Original Value) x 100

Percentage Difference

If you need to find the Percentage Difference if two values are known then the formula to calculate Percentage Difference is given by

Percentage Difference = $\left\{ \frac{|N1 - N2|}{(N1+N2/2)} \right\} * 100$

Conversion of Fraction to Percentage

To convert fraction to percentage follow the below-listed guidelines.

- Divide the numerator with the denominator.
- Multiply the result with 100.
- Simply place the % symbol after the result and that is the required percentage value.

Conversion of Decimal to Percentage

Follow the easy steps provided to change between Decimal to Percentage. They are as such

- Obtain the decimal number.
- Simply multiply the decimal value with 100 to get the percentage value.