Percentage

The word percent means, per hundred or out of hundred. In other word Percentage is the numerator of a fraction with denominator 100. The symbol of percent is %

Conversion of Percentage into a Fraction

To convert percentage into fraction, we must replace the % sign with 1/100. Finally reduce the fraction to its simplest form.

Let us understand with an example:

Example: Express 20% in fraction form.

Solution: 20% = 20/100 = 1/5

Conversion of Fraction into a Percentage

To convert a fraction into a percentage, we must multiply the fraction by 100 and write a % sign.

Let us understand with an example:

Example: Convert 2/5 into fraction.

Solution: 2/5 = 2/5 × 100 = 40%

Conversion of Percentage into Ratio

To convert a percentage into a ratio, first we must convert into fraction to it's simplest form and then to a ratio.

Let us understand with an example:

Example: Express 30% in fraction form.

Solution: 30% = 30/100 = 3/10 = 3 : 10

Percentage

Conversion of Ratio into Percentage

To convert a ratio into percentage, first we have to convert the given ratio into a fraction and then convert into a percentage.

Let us understand with an example:

Example: Express 2 : 5 in percentage form.

Solution: 2 : 5 = 2/5 = 2/5 × 100 = 40%

Conversion of Percentage into Decimal

To convert a percentage into a decimal, first convert the percentage into a fraction and then convert fraction into decimal.

Let us understand with an example:

Example: Convert 72% into decimal.

Solution: 72% = 72/100 = 0.72

Conversion of Decimal into Percentage

To convert a decimal into a percentage, we have to multiply the decimal by 100 and put % sign.

Let us understand with an example:

Example: Convert 0.65 into percentage.

Solution: 0.65 = 0.65 × 100 = 65%