## PERCENTAGES

## 'Conversion between Decimals \& Percentages'

We can easily convert percentages into decimals and vice versa.
Conversion from percentage to decimal:
When we have to convert a percentage into a decimal number, first we write the percentage as a fraction with denominator 100 and then convert the fraction to decimal.

## Example:

1) $45 \%=\frac{45}{100}=0.45$
2) $19 \%=\frac{19}{100}=0.19$
3) $3 \%=\frac{3}{100}=0.03$

## Conversion from decimal to percentage:

When we have to convert a decimal number into a percentage, we convert the decimal number into a fraction with denominator 100 and then write it as a percentage.

## Example:

1) $0.56=\frac{56}{100}=56 \%$
2) $0.09=\frac{9}{100}=9 \%$
3) $0.70=\frac{70}{100}=70 \%$

Or there is another method to convert a decimal number into a percentage.
$\rightarrow$ Multiply the decimal number by 100 , simplify and add a \% sign at the end.

## Example:

1) $0.37=0.37 \times 100 \%=37 \%$
2) $0.9=0.9 \times 100 \%=90 \%$
