



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%

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Or there is another method to convert a decimal number into a percentage.

→ Multiply the decimal number by 100, simplify and add a % sign at the end.

Example:

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