

PERCENTAGES

'Conversion between Fractions & Percentages'

We can easily convert percentages into fractions and also fractions into percentages.

Conversion from percentage to fraction:

When we have to convert a percentage into a fraction, first we write the percentage as a fraction with denominator 100 and then we simplify it if possible.

<u>Example:</u>

1)	12% =	$\frac{12}{100}$	=	$\frac{12 \div 4}{100 \div 4}$	=	3 25
2)	66% =	$\frac{66}{100}$	=	$\frac{66\div 2}{100\div 2}$	=	<u>33</u> 50
3)	0% -	9				

100

Conversion from fraction to percentage:

When we have to convert a fraction into a percentage, we check if the denominator of the fraction is 100 or not. If its not 100, then we first change it to 100 so that we can write it as a percentage.

<u>Example:</u>

1)
$$\frac{3}{100} = 3\%$$

2) $\frac{7}{10} = \frac{7 \times 10}{10 \times 10} = \frac{70}{100} = 70\%$
3) $\frac{18}{300} = \frac{18 \div 3}{300 \div 3} = \frac{9}{100} = 9\%$



Or there is another method to convert a fraction to a percentage.

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

Example:

1) $\frac{3}{4} = \frac{3}{4} \times 100\% = \frac{300}{4}\% = 700\%$