

ADVANCED PERCENT TO DECIMAL MASTERY CHART

Percent	Fraction	Decimal
1%	1/100	0.01
5%	1/20	0.05
10%	1/10	0.1
12.5%	1/8	0.125
20%	1/5	0.2
25%	1/4	0.25
33.3%	1/3	0.333...
37.5%	3/8	0.375
40%	2/5	0.4
50%	1/2	0.5

Percent	Fraction	Decimal
60%	3/5	0.6
62.5%	5/8	0.625
66.6%	2/3	0.666...
75%	3/4	0.75
80%	4/5	0.8
87.5%	7/8	0.875
90%	9/10	0.9
100%	1/1	1.0

Percent	Fraction	Decimal
150%	$\frac{3}{2}$	1.5
200%	$\frac{2}{1}$	2.0

The Mathematical Rule: To convert a percentage to a decimal, **divide by 100**. In practice, simply move the decimal point **two places to the left** and remove the % sign. If the percent is less than 10%, remember to use a leading zero (e.g., $7\% = 0.07$).