

Fraction Conversion Cheat Sheet

Quick reference for fractions, decimals, and percentages.

FRACTION, DECIMAL, PERCENTAGE CONVERSIONS

FRACTION	DECIMAL	PERCENTAGE
$\frac{1}{8}$	0.125	12.5%
$\frac{1}{4}$	0.25	25%
$\frac{1}{3}$	0.333...	33.333...%
$\frac{1}{2}$	0.5	50%
$\frac{2}{3}$	0.666...	66.666...%
$\frac{3}{4}$	0.75	75%
$\frac{7}{8}$	0.875	87.5%



FRACTION TO DECIMAL:

numerator $\div$
denominator

.....



DECIMAL TO PERCENTAGE:

multiply by 100

.....



MIXED NUMBER EXAMPLE:

$$2\frac{3}{4} = 2.75$$

INCH CONVERSION STRIP (COMMON FRACTIONS)



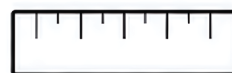
$$\frac{1}{8} = 0.125$$



$$\frac{1}{4} = 0.25$$



$$\frac{1}{2} = 0.5$$



$$\frac{3}{4} = 0.75$$

QUICK TIPS

- To convert a fraction to a decimal, divide the numerator by the denominator.
- To convert a decimal to a percentage, multiply by 100 and add the % sign.
- To convert a percentage to a decimal, divide by 100.

HANDY EQUIVALENTS

$$\begin{aligned} 1 &= 1.0 = 100\% \\ \frac{1}{10} &= 0.1 = 10\% \\ \frac{1}{5} &= 0.2 = 20\% \\ \frac{1}{20} &= 0.05 = 5\% \\ \frac{1}{100} &= 0.01 = 1\% \end{aligned}$$



Memorize the basics, and everything else builds from there!