

Fraction, Decimal, and Percent Chart

Benchmark equivalents: halves through tenths

Fraction	Decimal	Percent
One whole		
1	1.0	100%
Halves		
$\frac{1}{2}$	0.5	50%
Thirds		
$\frac{1}{3}$	0.333...	$33\frac{1}{3}\%$
$\frac{2}{3}$	0.666...	$66\frac{2}{3}\%$
Quarters		
$\frac{1}{4}$	0.25	25%
$\frac{3}{4}$	0.75	75%
Fifths		
$\frac{1}{5}$	0.2	20%
$\frac{2}{5}$	0.4	40%
$\frac{3}{5}$	0.6	60%
$\frac{4}{5}$	0.8	80%
Eighths		
$\frac{1}{8}$	0.125	12.5%
$\frac{3}{8}$	0.375	37.5%
$\frac{5}{8}$	0.625	62.5%
$\frac{7}{8}$	0.875	87.5%
Tenths		
$\frac{1}{10}$	0.1	10%
$\frac{3}{10}$	0.3	30%
$\frac{7}{10}$	0.7	70%
$\frac{9}{10}$	0.9	90%

Thirds never come out even: 0.333... repeats forever, so the exact percent is written with a fraction, $33\frac{1}{3}\%$.
 Fractions that simplify share a row with their simplest form — $\frac{2}{4}$ lives on the $\frac{1}{2}$ row, and $\frac{5}{10}$ does too.