

**Fractions
Decimals
Percents**

DECIMAL → PERCENT
 $\times 100$
 0.48 → 48%
 0.08 → 8%
 2.56 → 256%
 *move decimal 2 places right

PERCENT → DECIMAL
 $\div 100$
 97% → 0.97
 9% → 0.09
 125% → 1.25
 *move decimal 2 places left

FRACTION → DECIMAL
 \div
 $7 \div 8 = 0.875$

FRACTION → PERCENT
 $\frac{\text{numerator}}{\text{denominator}} \times 100$
 $\frac{3}{4} = 3 \div 4 = 0.75 \rightarrow 75\%$
 $\frac{2}{5} = 2 \div 5 = 0.4 \rightarrow 40\%$

FRACTION → DECIMAL
 *put # over last decimal place + reduce
 $\frac{1}{2} = \frac{50}{100} = 0.5$
 $\frac{1}{4} = \frac{25}{100} = 0.25$
 $\frac{1}{8} = \frac{12.5}{100} = 0.125$
 $\frac{1}{5} = \frac{20}{100} = 0.2$
 $\frac{1}{10} = \frac{10}{100} = 0.1$
 $\frac{1}{20} = \frac{5}{100} = 0.05$
 $\frac{1}{40} = \frac{2.5}{100} = 0.025$
 $\frac{1}{50} = \frac{2}{100} = 0.02$
 $\frac{1}{100} = \frac{1}{100} = 0.01$

PERCENT → FRACTION
 *put #/100 and reduce
 $125\% = \frac{125}{100} = \frac{5}{4}$
 $97\% = \frac{97}{100}$
 $9\% = \frac{9}{100}$

D to P
 $0.3004 \rightarrow 30.04\%$

P to F
 $85\% \rightarrow \frac{85}{100} = \frac{17}{20}$

F to D
 $\frac{5}{8} \rightarrow 0.625$

P to D
 $132\% \rightarrow 1.32$

F to P
 $\frac{12}{25} \rightarrow 48\%$

D to P
 $0.07 \rightarrow 7\%$

F to P
 $\frac{14}{20} \rightarrow 70\%$

D to P
 $3.03 \rightarrow 303\%$

D to F
 $0.35 \rightarrow \frac{35}{100} = \frac{7}{20}$

P to F
 $106\% \rightarrow \frac{106}{100} = \frac{53}{50}$