Fraction to Decimal

* Divide the numerator by the denominator

ex 1 $\frac{7}{8}$

$$
\begin{array}{r}
.875 \\
8\overline{)7.000} \\
-64 \\
\hline
60 \\
-56 \\
\hline
40
\end{array}
$$

.875

Fraction to Percent

1. Fraction to decimal
2. Decimal to %
   * Multiply by 100
   * Move decimal 2 places to the right.

Ex 2 $\frac{3}{5}$

$$
\begin{array}{r}
.6 \\
5\overline{)3.0} \\
-30 \\
\hline
0
\end{array}
$$

.60 = 60%

Decimal to % + Fraction

Decimal to %

× Multiply by 100

+ Move the decimal 2 places to the right

Ex 3 $.32 \rightarrow = 32\%$

*Decimal to Fraction

- Count how many numbers are behind the decimal. That is how many zeros to add behind 1

Ex $.36 = \frac{36}{100} = \frac{9}{25}$

$$\begin{array}{r|l|l} 2 & 36 & 100 \\ \hline 2 & 18 & 50 \\ \hline & 9 & 25 \end{array}$$

ex $.333\overline{3} = \frac{3}{9} = \frac{1}{3}$

$.555\overline{5} = \frac{5}{9}$

$.3232\overline{32} = \frac{32}{99}$

Percents → Decimal → Fraction

Percent to Decimal

* Move the decimal 2 places to the left
* Divide by 100

Ex 78% = .78

$\frac{78}{100} = .78$

Percent to Fraction

* Write % over 100
  Simplify

Ex 65% = $\frac{65}{100} = \frac{13}{20}$

5 | 65 | 100
  | 13 | 20