# Fractions ↔ Decimals ↔ Percents

① Decimals → Percents

$.246 \rightarrow 24.6\%$ $\qquad$ $0.3 \rightarrow 30\%$

Move the decimal point two positions to the right.

② Percents → Decimals

$120\% \rightarrow 1.2$ $\qquad$ $4\% \rightarrow .04$

Move the decimal point two positions to the left.

③ Fractions → Decimals

$\frac{3}{4} \cdot \frac{25}{25} = \frac{75}{100} = .75$

$$\begin{array}{r} .75 \\ 4\overline{)3.00} \\ \underline{28} \\ 20 \\ \underline{20} \end{array}$$

Find a Giant One that works or divide the denominator into the numerator.

④ Fractions → Percents

$\frac{7}{8} \rightarrow 8\overline{)7.000}$ (.875) $\rightarrow 87.5\%$

Use a Giant One or division problem to make the fraction into a decimal and then move the decimal point 2 positions to the right.

(5) Decimals → fractions

$0.262 \rightarrow \frac{262}{1000} = \frac{131}{500}$

Take the name of the decimal place value of the last digit to make the decimal into a fraction. Simplify if necessary.

(6) Percents → fractions

$35\% \rightarrow \frac{35}{100} = \frac{7}{20}$

Percent means out of 100 so put the percent over 100. Simplify if necessary.