

Converting fractions, decimals, and percents cheat sheet

DECIMAL to PERCENT

Move the decimal two places to the right.

Handwritten examples showing the conversion of decimals to percents. The first example shows $.62$ with a red arrow pointing right to 62% . The second example shows $.50$ with a red arrow pointing right to 50% .

PERCENT to DECIMAL

Move the decimal two places to the left.

Handwritten examples showing the conversion of percents to decimals. The first example shows 10% with a red arrow pointing left to $.10$. The second example shows 0.5% with a red arrow pointing left to $.05$. The third example shows 12.5% with a red arrow pointing left to $.125$.

DECIMAL to FRACTION

Read the decimal! Don't forget the order behind the decimal:

tenths, hundredths, thousandths

Ex) Since $.8$ is read as "eight tenths," it is written how it sounds $\frac{8}{10}$

Since $.08$ is read as "eight thousandths" it is written how it sounds $\frac{8}{1000}$

ALWAYS REDUCE!

PERCENT to FRACTION

- 1) Change the percent to a decimal by moving the decimal two places to the left.
- 2) Change the decimal to a fraction by following the steps on this page.

FRACTION to PERCENT

- 1) Divide the top number by the bottom number to get a decimal
- 2) Take the decimal and move it two places to the right

Handwritten example showing the conversion of a fraction to a percent: $\frac{5}{8} = .625 = 62.5\%$. A red arrow points from the decimal $.625$ to the percent 62.5% .

Handwritten example showing the conversion of a fraction to a percent: $\frac{4}{5} = .80 = 80\%$. A red arrow points from the decimal $.80$ to the percent 80% .

Handwritten example showing the conversion of a fraction to a percent: $\frac{3}{2} = 1.50 = 150\%$. A red arrow points from the decimal 1.50 to the percent 150% .