

3-2: Converting Fractions, Decimals, and Percents

A "Percent" is a ratio that compares a number to 100.

Changing percents to fractions:

To convert a percent into a fraction just write the number over 100, then simplify your fraction.

Changing fractions to decimals:

To convert a fraction into a decimal, simply divide the numerator by the denominator.

(You may use a calculator.)

Changing percents to decimals:

Long way – Convert percent to fraction, then fraction to decimal.

Short way – Dividing by 100 moves the decimal two places to the left.

We want to get away from being a percent so let's move the decimal two places away from the percent sign.

Now let's work backwards

Changing decimals percents:

Multiply the decimal by 100.

OR

Move the decimal two places to the right.

Changing decimals to fractions:

Write it how you say it.

Changing fractions to percents:

Change fraction to decimal by dividing, then change decimal to percent by multiplying by 100 OR moving the decimal two places to the right.