

## Percents

**Sometimes I see percents written with fractions. How do you convert them to decimal form?**

### Example

Change  $\frac{1}{2}\%$  to decimal form.

Step 1. Replace the fraction  $\frac{1}{2}$  with its decimal equivalent which is 0.5:

$\frac{1}{2}\%$  becomes 0.5%

*Don't think you are done after this step, because all you have done is to replace  $\frac{1}{2}$  with something equal to it. There is one more step to go.*

Step 2. Now that you have removed the fraction, simply move the decimal point two place to the left and drop the % symbol.

0.5%                      ~~0.5%~~                      **.005**

### Example

Change  $8\frac{3}{4}\%$  to decimal form.

Step 1. Replace the fraction  $\frac{3}{4}$  with its decimal equivalent which is 0.75:

$8\frac{3}{4}\%$  becomes 8.75%

Step 2. Now that you have removed the fraction, simply move the decimal point two place to the left and drop the % symbol.

8.75%                      ~~8.75%~~                      **.0875**