Percents

PERCENTS

A percent is the number of parts out of 100. To write a percent as a fraction, divide by 100 and drop the percent sign.

For example,

$$57\% = \frac{57}{100}.$$

To write a fraction as a percent, first check to see if the denominator is 100. If it is not, write the fraction as an equivalent fraction with 100 in the denominator. Then the numerator becomes the percent. *For example,*

$$\frac{4}{5} = \frac{80}{100} = 80\%.$$

To find a percent of a quantity, multiply the percent by the quantity.

For example, 30% of 5 is

$$\frac{30}{100} \cdot 5 = \frac{150}{100} = \frac{3}{2}.$$

So, it takes 60 minutes to walk 3 miles.

Percents to Decimals and Decimals to Percents

To change a number from a percent to a decimal, divide by 100 and drop the percent sign:

$$58\% = 58/100 = 0.58.$$

To change a number from a decimal to a percent, multiply by 100 and add the percent sign:

$$0.73 = .73 \times 100 = 73\%.$$