

# 5.5 Percents

Percent: is a part-to-whole ratio where the whole is 100. So, you can write a percent as a fraction with a denominator of 100.

ex  $60\% = 60$  out of  $100 = \frac{60}{100}$   
 ← Part  
 ← per  
 ← one hundred (whole)

(a) Write 35% as a fraction in simplest form.

$$\frac{35 \div 5}{100 \div 5} = \frac{7}{20}$$

(b) Write 100% as a fraction in simplest form.

$$\frac{100}{100} = 1$$

(c)  $174\%$

$$\frac{174}{100} = \frac{87}{50} = 1 \frac{37}{50}$$

(d)  $5\% = \frac{5}{100} = \frac{1}{20}$  Write a fraction as a percent

Ex:  $\frac{1}{4} = \frac{25}{100} = 25\%$  (multiplied by 25)

Ex:  $\frac{3}{50} = \frac{6}{100} = 6\%$  (multiplied by 2)

3 is what % of 8

is →  $\frac{3}{8} = \frac{37.5}{100} = 37.5\%$   
 of →

is	%
of	100

(9)