7-1 Fractions and Percents

Percent – a ratio that compares a number to to 100.

ratio = $\frac{\quad}{100}$ divide by 100

% = divide by 100

$\frac{\text{part}}{\text{whole}}\ \frac{80}{100} = 80\%$

a) $60\% = \frac{60}{100} = \frac{3}{5}$

b. $12\frac{1}{2}\% \quad \frac{12.5}{100} = \frac{1}{8}$

a.) 0.8 %

$= \frac{0.8}{100}$ 0.00.8 decimal point left 2 spaces.

0.008

b.) 175 % $= \frac{175}{100}$, 1.75. = 1.75

0.2 %.

2A.) $= \frac{2}{100}$ = .02 = 0.002

2B.) 150 % $= \frac{150}{100}$ = 1.50 = 1.5

a.) $\frac{1 \times 25}{4 \times 25} = \frac{n}{100} = 25$

b) $\frac{6}{5} = \frac{120}{100} = 120\%$

3A. $\frac{3}{10} = \frac{n}{100} = 3(100) = \frac{300}{10} = 30$

3B.) $\frac{7}{2} = \frac{n}{100} = 7(100) = \frac{700}{2} = 350\%$

$$\frac{14}{16} = \frac{n}{100}$$

$14 \times 100 = 1400 \div 16 =$ **87.5%**

4.) $$\frac{5}{8} = \frac{n}{100}$$

$5(100) = \frac{500}{8} =$ **62.5%**

$\frac{4}{11} = \frac{n}{100}$ $4(100) = \frac{400}{11} = 36.36\%$

$\approx 36\%$

5.) $\frac{34}{55} = \frac{n}{100}$

$34(100) = \frac{3400}{55} = 61.82\%$