Name _____ Date _____ Class _____

LESSON 5-2

Fractions, Decimals, and Percents

NOTES

To change a decimal to a percent:

- move the decimal point two places to the right; $0.07 = .07. = 7\%$
- write the % symbol after the number.

Write each decimal as a percent.

1. 0.34 _____
2. 0.06 _____
3. 0.8 _____
4. 0.57 _____
5. 0.604 _____
6. 0.09 _____
7. 0.518 _____
8. 0.039 _____

To change a fraction to a percent:

Method 1:

- Find an equivalent fraction with a denominator of 100.
- Use the numerator of the equivalent fraction as the percent.

$$\frac{8}{25} = \frac{x}{100}$$
$$\frac{8 \cdot 4}{25 \cdot 4} = \frac{32}{100}$$
$$\frac{8}{25} = \frac{32}{100} = 32\%$$

Think: $100 \div 25 = 4$. So, multiply the numerator and denominator by 4.

Method 2:

- Use division to write the fraction as a decimal.
- Write the decimal as a percent.

$$\frac{4}{5} = 4 \div 5$$
$$= 0.8$$
$$= 0.80$$
$$= 80\%$$

Write each fraction as a percent.

9. $\frac{3}{10}$ _____
10. $\frac{2}{50}$ _____
11. $\frac{7}{20}$ _____
12. $\frac{1}{5}$ _____
13. $\frac{1}{8}$ _____
14. $\frac{3}{25}$ _____
15. $\frac{3}{4}$ _____
16. $\frac{23}{40}$ _____