

# **Chapter 8**

## **Ratio, Proportion, and Percent**

### **8.6 Percents, Decimals, and Fractions**

**Pages- 429-433**

## NOTES ( 8.6) Percents, Decimals, & Fractions

To write a fraction as a percent, find an equivalent fraction with a denominator of 100.

$$3) \frac{9}{10} = \frac{90}{100} = 90\%$$

$$13) \frac{998}{1000} = \frac{99.8}{100} = 99.8\%$$

To write a decimal as a percent, write the decimal as a fraction over 100.

$$17) 0.\underline{2} = \frac{2}{10} = \frac{20}{100} = 20\%$$

$$19) \underline{0.084} = \frac{84}{1000} = \frac{8.4}{100} = 8.4\%$$

Guided Practice pp 431-432

Do # 4-14 even like this

$$5) \frac{17}{50} = \frac{34}{100} = \textcircled{34\%}$$

$$11) \frac{261}{1000} = \frac{26.1}{100} = 26.1\%$$

**Do # 16-26 like this**

$$21) 0.571 = 57.1\%$$

$$\frac{571}{1000} = \frac{57.1}{100}$$

$$27) 0.586 = 58.6\%$$

$$\frac{586}{1000} = \frac{58.6}{100}$$

NOTES ( 8.6) Percents, Decimals, & fractions (II)

Guided Practice pp 432-433

# 28 = 2 pts

Do # 30-34 even like this

31)  $\frac{1}{4}$  , 15% , 0.16

$\frac{25}{100}$     $\frac{15}{100}$     $\frac{16}{100}$

③   ①   ②

15% , 0.16,  $\frac{1}{4}$

35) 1 , 33%, 34%, 0.3

33.3%   33%   34%   30%

③   ②   ④   ①

0.3, 33% ,  $\frac{1}{3}$  , 34%

Do # 38 & 40 like this

$$39) 3.5 = 350\%$$

$$\frac{35}{10} = \frac{350}{100}$$

$$41) 570\% = 5.7$$

$$\frac{570}{100} = \frac{57}{10} = \frac{5.7}{1}$$

Do # 50 & 52 like this ( 2 pts each)

$$51) 37\% = \frac{0.37, 37}{100}$$

$$37\% = \frac{37}{100} = .37$$

$$53) 96\% = \frac{0.96, 24}{25}$$

$$96\% = \frac{96}{100} = .96$$

$$96\% = \frac{96}{100} = \frac{48}{50} = \frac{24}{25}$$

# 54 = 2 pts