# Percent Extra Practice

Name: _____KEY_____

**Part 1: Write the following values as a percent.**

1.) 2/5 = __40%__

3.) 1.45 = __145%__

2.) 3/8 = __37.5%__

4.) 0.07 = __7%__

**Part 2: Answer the following story problems.**

1.) 4/5 of Waynesville residents plan to vote in the upcoming election. What percent of the residents plan to vote?

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

2.) Mr. Hale's 4th period class has 28 students. Math is the favorite subject of 21 of the students. What percent of the students in Mr. Hale's 4th period class do NOT favor math?

$$\frac{7}{28} = 0.25 = 25\%$$

**Part 3: Calculate the percent change in each scenario. Round to the nearest whole percent.**

1. Original: $100
   New: $59

$$\frac{41}{100} = 0.41 = 41\%$$
decrease

2. Original: 324 people
   New: 549 people

$$\frac{225}{324} = .69 = 69\% \text{ increase}$$

3. Original: 58 Homes
   New: 152 Homes

$$\frac{94}{58} = 1.62 = 162\%$$
increase

4. Original: 66 Dimes
   New: 30 Dimes

$$\frac{36}{66} = .55 = 55\% \text{ decrease}$$

5. Original: $53
   New: $75

$$\frac{22}{53} = 0.42 = 42\%$$
increase

6. Original: 15.6 liters
   New: 11.4 liters

$$\frac{4.2}{15.6} = 0.27 = 27\% \text{ decrease}$$