Name KEY

# Percent Practice Worksheet

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

1.) 2/5 = 40%

2.) 3/8 = 37.5%

3.) 1.45 = 145%

4.) 0.07 = 7%

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**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?

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

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

1. Original: $100
   New: $59

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

2. Original: 324 people
   New: 549 people

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

3. Original: 58 Homes
   New: 152 Homes

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

4. Original: 66 Dimes
   New: 30 Dimes

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

5. Original: $53
   New: $75

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

6. Original: 15.6 liters
   New: 11.4 liters

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

(more on back)

# Percent Extra Practice

KEY

1. Mr. Jones gives a test with 40 questions and tells his students that they must get 28 correct answers to pass. In order to earn a passing score, what is the minimum percent of the questions that must be answered correctly?

$\frac{28}{40} = 70\%$ to pass

2. Which representation is **not** equal to the others?

A. 62.5%

B. 0.625

C. $6\frac{1}{4}\%$

D. $\frac{5}{8}$

3. It rained 21 out of the 28 days in February this year. What percent of the days in February did it rain?

$\frac{21}{28} = 75\%$

4. The seventh graders set a goal to collect 125 cans for their school's food drive. They collected 150 cans. What percent of their goal did they collect?

$\frac{150}{125} = 120\%$

5. There are 9 volleyball players, 6 football players, 10 softball players, and 5 tennis players at an athletic event. What percentage of the athletes are football players?

$\frac{6}{30} = 20\%$

6. One apartment in a building is 110 percent as large as another. Which of the following representations equals 110 percent?

A. 0.11

B. $1\frac{1}{10}$

C. $\frac{111}{100}$

D. 11

7. 30% of the students in Mr. Hale's math classes are earning A's. What fraction of the students are **not** earning A's?

$\frac{30}{100}$ A's → so $\frac{70}{100}$

$\frac{7}{10}$ did not get A

8. A store sold 24 boxes of juice from a case containing 66 boxes. **Approximately** what percent of the case of juice has been sold?

$\frac{24}{66} = 36\%$

9. Three-fifths of a city is registered to vote. What percent of the city is registered to vote?

$\frac{3}{5} = 60\%$