

Name: \_\_\_\_\_ Period: \_\_\_\_\_

Week 22 Homework Packet – 7<sup>th</sup> Grade Math

**ASSIGNMENT DUE TUESDAY, JANUARY 24, 2017**

Unit 2, Chapter 2 – Percents

Score  
**/4**

Week Score  
**/12**

Stamp

For each problem below, show how you set up the problem! You will not receive a stamp if you do not show how to set them up. Use the example problem as a guide. You will need a calculator.

Ex.) What is 37% of 196?

$$0.37 \times 196 = \textcircled{72.52}$$

1) What is 41% of 199?

2) What is 3% of 2640?

3) What is 150% of 74?

4) What is 13.4% of 460?

5) What is 0.4% of 1600?

6) What is 38.1% of 230?

7) What is 162% of 466?

*Skills Review*

For each problem below, show all work!

8)  $\frac{3}{7} + \frac{1}{7} =$

9)  $\frac{5}{8} - \frac{1}{4} =$

10)  $\frac{2}{3} + \frac{3}{4} =$

11)  $\frac{5}{6} \times \frac{7}{10} =$

12)  $\frac{8}{9} \div \frac{4}{15} =$

**ASSIGNMENT DUE WED/THU. JANUARY 25/26. 2017**

## Unit 2, Chapter 2 – Percents

Each scenario below will be asked in three parts. Complete each part separately to get your answer. Show how you set up problems b and c or you will not receive a stamp. An example has been done for you.

Ex.) a) What is 35% represented as a number?

**0.35**

b) What is 35% of \$260?

$$0.35 \times \$260 = (\$91)$$

c) What is the cost of a \$260 lawnmower that is discounted by 35%?

$$\$260 - \$91 = (\$169)$$

1) a) What is 8% represented as a number?

b) What is 8% of \$130?

c) If sales tax is 8%, how much will you spend in total if you buy a \$130 handheld game system?

2) a) What is 20% represented as a number?

b) What is 20% of \$62?

c) If your meal bill, after tax, comes out to \$62, how much will you pay in total if you include a 20% tip?

3) a) What is 40% represented as a number?

b) What is 40% of \$49.95?

c) What is the cost of a \$49.95 video game that is discounted by 40%?

4) a) What is 28% represented as a number?

b) What is 28% of \$540?

c) If you earn \$540 in a week and 28% of it is taken out of your paycheck as taxes, what will your take-home pay be for that week?

5) a) What is 6% represented as a number?

b) What is 6% of \$540?

c) If you earn \$540 per week and your boss tells you that she is giving you a 6% raise, what will be your new weekly salary?

Name: \_\_\_\_\_ Period: \_\_\_\_\_

7<sup>th</sup> Grade Math

Score

/4

Stamp

## ASSIGNMENT DUE FRIDAY, JANUARY 27, 2017

### Unit 2, Chapter 2 – Percents

For each problem below, SHOW ALL WORK. Round your answers to one decimal place. You will need a calculator, but to show work, show how you set up the problem. An example has been done for you

Ex) You notice that gas this week costs \$2.94 per gallon. If it cost \$2.70 per gallon last week, what is the percent change?

$$2.94 - 2.70 = 0.24$$

$$0.24 \div 2.70 = 0.0888... = 8.9\%$$

1) The California condor's population in California was only 173 in 2010. Thanks to conservation efforts, the population grew to 268 in 2015. What was the percent change in population between 2010 and 2015?

2) Major League Soccer (MLS) is the top professional soccer league in the USA and Canada. In 2014, an average of 19,148 people attended each game. In 2015, the average increased to 21,574 people per game. What was the percent change in attendance from 2014 to 2015?

3) A glacier's surface area was 275 square miles in 2006 but because of climate change it is now 190 square miles. What is the percent change in area of the glacier from 2006 to now?

4) Your salary at your job last year was \$480 per week, but because you received a raise, your salary is now \$510 per week. What percent change in your salary did you receive?

5) The last time he checked, Justin was 30 inches tall. Justin just measured himself again and he was 34 inches tall. What was the percent change in Justin's height?

6) The staff at a company went from 40 to 29 employees. What is the percent change in staff?

7) At a store, a TV that was selling for \$650 is on sale for \$500. What is the percent change in the price of the TV?

8) Last year, a company making a type of toy recorded 42,000 sales. This year, they recorded 37,500 sales. What is the percent change in the number of sales of the toy?