

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

Week 20 Homework Packet – 7<sup>th</sup> Grade Math

**ASSIGNMENT DUE TUESDAY, JANUARY 10, 2017**

Unit 2, Chapter 2 – Percents

Score  
**/4**

Week Score  
**/12**

Stamp

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?

$$0.35 \times \$260 = \text{\$91}$$

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

$$\$260 - \$91 = \text{\$169}$$

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

b) What is 20% of \$105?

c) What is the cost of a \$105 jacket that is discounted by 20%?

2) a) What is 15% represented as a number?

b) What is 15% of \$60?

c) What is the cost of a \$60 video game that is discounted by 15%?

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

b) What is 40% of \$29.95?

c) What is the cost of a \$29.95 Blu-Ray movie that is discounted by 40%?

4) a) What is 30% represented as a number?

b) What is 30% of \$72.50?

c) What is the cost of a \$72.50 concert ticket that has been discounted by 30%?

5) a) What is 65% represented as a number?

b) What is 65% of \$380?

c) What is the cost of a \$380 table saw that is discounted by 65%?

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

7<sup>th</sup> Grade Math

Score

/4

Stamp

**ASSIGNMENT DUE WED/THU. JANUARY 11/12. 2017**

Unit 2, Chapter 2 – Percents

For each problem below, show all work! Show how you set up the equation, then solve. You may use a calculator, but you will not receive a stamp if you don't show how to set up the equation. An example has been done for you.

Ex.) 45% of 300 is what number?

$$0.45 \cdot 300 = x$$

$$x = 135$$

1) 30 is 40% of what number?

2) 25% of what number is 80?

3) What number is 20% of 170?

4) The number 35 is what percent of 50?

5) The number 90 is what percent of 600?

6) The number 459 is 85% of what number?

7) 96 is 80% of what number?

*Skills Review*

8) What is the cost of a \$350 laptop computer that is discounted by 10%?

9) What is the cost of a \$27.50 pair of earrings that is discounted by 40%?

10) What is the cost of a \$165 tablet that is discounted by 18%?

Convert the following numbers into percentages.

11)  $\frac{1}{2}$

12) 0.032

13)  $\frac{31}{100}$

14) 3.4

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

7<sup>th</sup> Grade Math

Score

/4

Stamp

**ASSIGNMENT DUE FRIDAY, JANUARY 13, 2017**

Unit 2, Chapter 2 – Percents

For all problems below, show all work. You will not receive a stamp if you do not show work.

1) If you are at a restaurant and the bill comes for \$45.50, how much would you pay after adding a 20% tip?

2) A store sells a brand of vacuum cleaner for \$170. If the sales tax is 8%, how much will you pay for the vacuum if you buy it?

3a) A \$675 sofa is on sale. The sale price is 20% off of the regular price. What is the sale price of the sofa?

3b) If sales tax is 6%, what will you pay for the sofa if you buy it?

4) A store buys a bicycle for \$270 from a manufacturer and sells it with a 24% markup. For what price does the store sell the bicycle?

*Skills Review*

Determine which of each pair of rational numbers is greater. You may use any method you wish, but show all work.

5)  $\frac{3}{5}$  and  $\frac{7}{9}$

6)  $\frac{2}{3}$  and  $\frac{7}{10}$

7)  $\frac{4}{5}$  and  $\frac{7}{9}$

8)  $\frac{2}{7}$  and  $\frac{1}{4}$

9)  $\frac{6}{5}$  and  $\frac{5}{4}$