

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

Week 2 Homework Packet – 7<sup>th</sup> Grade Math

**ASSIGNMENT DUE TUESDAY, SEPTEMBER 20, 2016**

Unit 1, Chapter 4 – Rational Numbers

Score  
**/4**

Week Score  
**/12**

Stamp

For each problem below, if the number given to you is a fraction, write it as a decimal. If the number given to you is a decimal, write it as a fraction.

1) 0.53

2)  $\frac{327}{1000}$

3) 0.1591

4) 0.9

5)  $\frac{17}{100}$

6) 0.033

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

8)  $\frac{194}{10000}$

9) 2.043

10)  $1\frac{3}{10}$

11) You and some friends order pizza. One of the pizzas is cut into eight slices and you eat three of the eight slices.

a) What fraction of the pizza have you eaten?

b) Use long division to express your answer from part a as a decimal. Show your work below. Work must be shown to receive a stamp.

12) In the early 1980's, A&W restaurants wanted to compete with the McDonald's quarter-pound hamburger. So A&W released a one-third pound burger at the same price as the McDonald's burger. They even tested it on customers who said the A&W hamburger tasted better.

But it didn't sell well. And they later found out why – customers wondered why A&W would charge the same for a hamburger that was smaller than the McDonald's quarter-pound hamburger.

Were the customers correct? Why do you think they thought the way they did?

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Stamp

**ASSIGNMENT DUE WED/THU. SEPTEMBER 21/22. 2016**

Unit 1, Chapter 4 – Rational Numbers

For each problem below, if the number given to you is a fraction, write it as a decimal. If the number given to you is a decimal, write it as a fraction.

1)  $\frac{14}{99}$

2)  $\frac{1}{3}$

3)  $0.\overline{59}$

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

5)  $0.\overline{227}$

6)  $5.\overline{19}$

7)  $4\frac{5}{99}$

8)  $0.\overline{1234}$

9) 0.378378378 ...

10) Some numbers cannot be divided by any number that ends in 9 or 0. Use long division to find out the decimal value of  $\frac{1}{6}$ . Show your work below.

11) The value of  $\pi$  is 3.1415926... It is often approximated with the number  $3\frac{1}{7}$ . Use long division to find the value of the approximation as a decimal. Show your work below.

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Stamp

**ASSIGNMENT DUE FRIDAY, SEPTEMBER 23, 2016**

Unit 1, Chapter 4 – Rational Numbers

Reduce each fraction below. ***Show all work!***

Don't forget to check your answer to make sure it is reduced completely. If the fraction cannot be reduced, then write "simplified."

1)  $\frac{12}{28}$

2)  $\frac{25}{35}$

3)  $\frac{21}{28}$

4)  $\frac{24}{33}$

5)  $\frac{18}{30}$

6)  $\frac{19}{39}$

7)  $\frac{80}{120}$

*Skills Review*

Evaluate each expression below. Show all steps.

8)  $5 + 4(-2)$

9)  $-10 - (-7)$

10)  $2^3 - 5^2$

11)  $(3 + 7) - (4 + (-2))$

12)  $\frac{10 + 8}{3}$

13)  $16 - 4(5 - 8)$

14)  $|-5 + 11| - 6$