

Name: _____ Period: _____

Week 10 Homework Packet – 7th Grade Math

ASSIGNMENT DUE TUESDAY, OCTOBER 11, 2016

Unit 1, Chapter 4 – Rational Numbers

Score

/4

Week Score

/12

Stamp

Evaluate the following. **Show all work!** You won't receive a stamp if work is not shown.

1) $\frac{3}{4} + \left(-\frac{2}{5}\right)$

2) $-\frac{1}{6} - \left(-\frac{2}{3}\right)$

3) $2\frac{3}{4} + 3\frac{1}{3}$

4) $\frac{1}{6} - \frac{5}{8}$

5) $-\frac{2}{5} + \frac{1}{6}$

6) $4\frac{1}{5} - 2\frac{2}{3}$

Skills Review

Evaluate each of the expressions below:

7) $3 + (-7)$

8) $12 \cdot (-2)$

9) $-4 - (-15)$

10) $8 - 15$

11) $-6(-3)$

12) $-8 + 7$

13) $-14 + (-1)$

14) $\frac{-15}{3}$

Name: _____ Period: _____

7th Grade Math

Score

/4

Stamp

ASSIGNMENT DUE WED/THU. OCTOBER 12/13. 2016

Unit 1, Chapter 4 – Rational Numbers

Evaluate and simplify the following. Show all work.

1) $\frac{3}{4} \div \frac{2}{7}$

2) $\frac{3}{8} \div \frac{4}{9}$

3) $\frac{2}{7} \div \frac{3}{10}$

4) $\frac{5}{6} \div \frac{4}{15}$

5) $\frac{16}{3} \div \frac{1}{12}$

6) $\frac{5}{9} \div \frac{3}{10}$

7) $\frac{6}{5} \div \frac{2}{15}$

8) A class is making pillow cases. Each pillow case requires $\frac{3}{4}$ of a yard of fabric to make. If the teacher has $13\frac{1}{2}$ yards of fabric available. How many pillow cases can the class make?

9) A jar of peanut butter contains $1\frac{1}{2}$ cups of peanut butter. If one serving of peanut butter is $\frac{1}{8}$ of a cup, how many servings are in one jar?

10) A book shelf is 25 inches long. If each book is $\frac{5}{8}$ of an inch wide, how many will fit on the shelf?

Name: _____ Period: _____

7th Grade Math

Score

/4

Stamp

ASSIGNMENT DUE FRIDAY, OCTOBER 14, 2016

Unit 1, Chapter 4 – Rational Numbers

For each problem below, show how you set up the problem. You will not get a stamp if you don't show how you set them up! You will need a calculator.

- 1) If there are 2.54 centimeters in one inch, how many centimeters are there in 10 inches?

- 2) If there are 28 milliliters in one fluid ounce, how many fluid ounces are there in 60 milliliters? Round your answer to two decimal places.

- 3) If there are 3.28 feet in one meter, how many feet long is the Olympic 100-meter dash?

- 4) If there are 9 square feet in one square yard, how many square yards is a 1,260 square foot apartment?

- 5) If there are 1,609 meters in one mile, how many meters long is a marathon, which is 26.22 miles? Round your answer to the nearest meter.

- 6) There are 2.205 pounds in one kilogram. In the recent Olympic Games, Lasha Talakhadze won a gold medal by lifting 258 kilograms over his head. How many pounds did he lift?

Skills Review

Evaluate each of the expressions below:

7) $5 - (-4)$

8) $-5 \cdot 6$

9) $-40 \div (-4)$

10) $-4 - 6$

11) $-2 \cdot (-9)$

12) $-3 + 11$

13) $-6 + (-3)$

14) $\frac{24}{-6}$