

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

Week 14 Homework Packet – 7<sup>th</sup> Grade Math

Score  
**/ 4**

Week Score  
**/ 8**

Stamp

**ASSIGNMENT DUE TUESDAY, NOVEMBER 8, 2016**

Unit 2, Chapter 1 – Ratios and Proportional Reasoning

Use the grids provided to convert the units. **Show all work!** You will need a calculator. An example has been done for you. Some problems are partially completed, so you will fill in the missing parts of those. Round to two decimal places when necessary.

Ex.) How many feet are in 12 meters?

<del>12 m</del>	<del>3.28 ft.</del>	<del>39.36 ft.</del>
Starting Value	Equal Amounts <del>1 m</del>	Final Value

1) How many feet are in 60 inches?

60 in.		
	12 in.	

2) How many yards are in 45 feet?

45 ft.		

3) How many centimeters are in 500 millimeters?

500 mm		

4) How many centimeters are in 10 inches?


5) How many centimeters are in 12 meters?


*Skills Review*

Evaluate the following. Show all work.

6)  $\frac{3}{5} + \frac{1}{6}$

7)  $\frac{7}{9} - \frac{5}{12}$

For each problem below, compute the rate.

8) A secretary types a 1,200-word document in 10 minutes.

\_\_\_\_\_ words per minute

9) A carpentry shop manufactures 200 desks in an eight-hour workday.

\_\_\_\_\_ desks per hour

10) Terrell reads for 20 minutes. In that time, he reads 10 pages.

\_\_\_\_\_ pages per minute

11) A four-gram spoonful of sugar contains 16 calories.

\_\_\_\_\_ calories per gram of sugar

1 m = 3.28 ft.	1 ft. = 12 in.	1 yd. = 3 ft.
1 m = 100 cm	1 cm = 10 mm	1 in. = 2.54 cm

**ASSIGNMENT DUE WED/THU. NOVEMBER 9/10. 2016**

Unit 2, Chapter 1 – Ratios and Proportional Reasoning

Use the grids provided to convert the units. **Show all work!** You will need a calculator. An example has been done for you. Some problems are partially completed, so you will fill in the missing parts of those. Round all answers to two decimal places when necessary.

Ex.) How many kilograms per liter in 30 pounds per gallon?

30 lb.	1 kg	1 gal.	3.59 kg
1 gal.	2.205 lb.	3.79 L	L
Starting Value	Equal Amounts	Equal Amounts	Final Value

1) If gasoline costs US\$3.50 per gallon, how much does it cost in Canadian dollars per liter?

3.50 US\$	1.34 Can\$	1 gal.	
1 gal.	1 US\$		

2) A heavy cable weighs 3 pounds per foot. What is that in kilograms per meter?

3 lbs.	3.28 ft.		
1 ft.			

3) A two-liter bottle of soda costs \$1.89 per bottle. How much does it cost per fluid ounce?

\$1.89			
2 L			

4) A car drives at 40 miles per hour. What is that in meters per second?

40 mi.			
1 hr.			

*Skills Review*

Evaluate the following:

5)  $-3 + 8$

6)  $10 - (-4)$

7)  $-6 + (-11)$

8)  $-8 - 12$

9)  $-3 - (-14)$

10)  $-2(-6)$

11)  $10 \cdot (-6)$

12)  $-36 \div 4$

1 kg = 2.205 lb.	1 gal. = 3.79 L	1 US\$ = 1.34 Can\$
1 m = 3.28 ft.	1 gal. = 128 fl. oz.	1 mi. = 1609 m
1 day = 24 h.	1 hr. = 60 min.	1 min. = 60 sec.