6th Grade Assignment – Week #15

Individual Work:

• See how much you can do on Sheet #15 in the workbook. Be sure to save #34-37 for group work.

Group Assignments:

For Tuesday:

- Work together on problems #34-37 on Sheet #15.
- If there is extra time, then begin Thursday's group assignment.

For Thursday:

- Factor Puzzles!
 - Here is a list of numbers: 23, 41, 51, 83, 87, 95, 117, 119, 127, 583.
 - 1) Which of the above numbers is divisible by 3?
 - 2) One of the above numbers is divisible by 7. Which is it?
 - 3) One of the above numbers is divisible by 11. Which is it?
 - 4) Which of the numbers in the list are prime? (Hint: there are four.)
 - 5) (If you have time...) For each of the above numbers, write down all of the factors. To save time, each member of the group should work on different numbers. Which of the numbers in the list has the most factors?
- *Metric*. Fill in the blank with the correct number.
 - 6) 88 m = ____ cm
 - 7) 88 m = ____ km
 - 8) $640 \text{ cm} = ___ \text{m}$
 - 9) 640 cm = ____ mm
 - 10) 8.6 $l = ____ m l$
 - 11) 8.6 m $l = ___ l$
 - 12) 7 g = ____ mg
 - 13) 47 mg = _____ g
 - 14) $3 \text{ kg} = ___ \text{mg}$

6th Grade Math – Sheet #15

Memorized facts.		Fractions.		Division.	
1) 13	• 2	24)	$\frac{7}{2} + \frac{7}{12}$	30)	Leave your answer
2) 15	• 3	,	8 12		856÷2.7
3) 16	••4				
4) 18	2	25)	$\frac{27}{27} + \frac{19}{27}$		
5) Co	onvert $\frac{1}{4}$	20)	35 27		
6) Co	ponvert $\frac{3}{5}$				
7) Co	onvert 0.7				
8) Co	onvert 0.125			For	mulaa
9) 4 ³				FO 31)	On the previous
10) 5 ⁴				wo	rksheet, review the problems about John
11) 2 ⁵		26)	$\frac{27}{35} \cdot \frac{19}{27}$	wh sho	o works in a bike op. Use the same
Do it i	n your head.			for fol	mula to do the lowing problems:
12) 11	00 • 70			a)	How much pay does
13) 0.0	$0007 \cdot 100$	27)	$4\frac{3}{8} \div 1\frac{5}{16}$		for 40 hours and sells
14) 91	• 11				11 bikes?
15) 60	$0 \div 4$				
16) 13	7÷999				
17) 21	$0 \div 240$		43	b)	John works 22 hours per week How much
18) 80	$0\div 5$	28)	$\frac{4\frac{2}{8}}{1.5}$		pay does he earn if he
19) 12	$0\div 5$		$\Gamma_{\overline{16}}$		sells 7 bikes each
20) 0.7	7÷5				week?
21) 60	0 ²		$1\frac{5}{2}$		
22) $(\frac{2}{3})$) ³	29)	$\frac{-\frac{1}{16}}{4\frac{3}{8}}$		
23) √0	.09				

 Measurement. 32) State what each abbreviation stands for and about how big it is. a) m b) km 	Unit Cost. 36) 3 quarts of maple syrup cost \$19.47. How much do 3 gallons of maple syrup cost?	39) Write down the prime numbers up to 100.
c) cm d) mm		
 e) t f) ml g) g h) kg i) mg 33) Measure the line below in inches, centimeters and millimeters. 	37) Which is a better buy: 2½ pounds of cheese for 14 dollars, or the same cheese at a cost of 33¢ per ounce?	
 34) As with the previous worksheet, for each of the below problems write a sign (<, >, =) between the two measurements that indicates which one is bigger, or if they are equal. a) 1ℓ 1000mℓ b) 1kg 2 lb. c) 7kg 7000g d) 1m 100cm e) 1km ½mi f) 1mi 2km g) 1gal 4ℓ 35) What is the advantage of the metric system? 	Factors. 38) List all of the factors. a) 100 b) 144	 Converting repeating decimals to fractions. 40) Review the example and the problems given at the end of the previous worksheet, and then convert the following repeating decimals into fractions. a) 0.052
		b) 0.84459