6th Grade Assignment – Week #11

Individual Work:

- *Flashcards!* Are you keeping up with the flashcard? The facts you should learned through flashcards are found on Sheet #2, Sheet #6, and Sheet #9. Learning these facts will help your future math studies. It only takes a couple of minutes per day.
- See how much you can do on Sheet #11 in the workbook. Be sure to save #21-31 and #50-52 for your group work.

Group Assignment:

For Tuesday

1. Discovery! Dividing by 9's and 0's Do Sheet #11, problems #21-31.

Now answer these questions:

What do the number of 9's in the denominator tell you about the answer? What do the number of 0's in the denominator tell you about the answer?

2. Puzzle!

Janice has three children. The product of their ages is 360, and the sum of their ages is 22. Find the ages of the 3 children. (There are two possible answers.)

For Thursday

3. Puzzle!

Imagine that you are selling apples. You begin your travels carrying 3 bags, each having 30 apples. Every apple must be in a bag, and no bag can hold more than 30 apples. When you pass through each of 30 villages, you must give 1 apple for each bag you are carrying. What is the greatest number of apples you can be left with after passing through all 30 villages?

4. **Measurement word problems** Do Sheet #11, problems #50-52

6th Grade Math – Sheet #11

Do it in your head.		Convert to decimals.				Discover the trick!	
1)	28 • 11	17) ha) Each prol as a trick or	blem shc	n either ould be	decimal. Divide only if	
2)	13 ²	m a)	emorized. $\frac{2}{2}$	i)	<u>7</u>	neces the tri	sary. Try to discover ck for yourself.
3)	$(50)^3$	a) 1.)	5	J)	9	21)	$\frac{83}{99}$
4)	1 ¹²	D)	4	K)	10	22)	<u>83</u>
5)	$\sqrt{3600}$	c)	9 10	1)	<u>1</u> 11		83
6)	13.3	d)	$\frac{1}{3}$	m)	$\frac{1}{9}$	23)	<u>9900</u>
- /	<u>3</u>	e)	$\frac{7}{99}$	n)	$\frac{8}{9}$	24)	$\frac{83}{990000}$
7)	$\frac{4}{\frac{5}{6}}$	f)	$\frac{4}{9}$	o)	$\frac{91}{100}$	25)	<u>743</u> 999
8)	860÷4	g)	$\frac{4}{11}$	p)	$\frac{75}{999}$	26)	<u>743</u> 0000
9)	25•4	h)	$\frac{7}{20}$	q)	$\frac{4}{999}$	27)	<u>743</u>
10)	$\sqrt{0.000025}$	i)	$\frac{1}{6}$	r)	$\frac{17}{20}$	27)	9990000
11)	$65.7 \div 1000$	18)) Convert t	to fra	actions.	28)	4 999
12)	5.837 · 100	a)	0.5	f)	0.3	29)	$\frac{4}{9990}$
13)	25 ²	b)	0.6	g)	0.125	30)	$\frac{7}{900}$
14)	$45 \div 0.05$	c)	0.7	h)	0.83	31)	82
15)	15•5	d)	0.17	i)	0.7	51)	9999000
16)	Cast out nines to	e)	0.75	j)	0.23		
	cneck your answer. 7.92 $\times 57.8$	 Divisibility. State whether each of the following numbers is evenly divisible by 2, 3, 4, 5, 9, or 10. 19) 8,041,736 20) 7,485,030 					

Fractions.		Decimals.		Measurement.		
32)	$39\frac{2}{7} + 33\frac{3}{4}$	39) 379.4	- 6.932	45)	64 inches is how many feet?	
		40) (0.007	$(9)^2$	46)	116 ounces is how many pounds?	
		$(1,1)^4$		47)	4 ¹ / ₂ cups is how many fluid ounces?	
33)	$(2^{1/2})^{4}$, (,		48)	3 gallons is how many pints?	
		Long Divis What is the m problem show	ion. iistake in the vn below?	49)	How many inches are in one mile?	
		42) 4779 -4732 -28	L 61 990 2 2 9 32 17	50) 7 mag $17\frac{13}{16}$ of the second sec	There are two marks le on a board, one at inches from the end he board, and the	
34)	What is ¹ / ₃ of 360?	- 2	$\frac{1}{2}$ $\frac{1}{2}$ $\frac{7}{0}$	othe the apa	same end. How far rt are the marks?	
35)	What is $3/5$ of 45?					
36)	What is ⁵ / ₉ of 45?			51) Long equ long piec	A string, 15 ¹ / ₂ -feet g, has been cut into 24 ally long pieces. How g (in inches) is each ce?	
37)	What is $^{2}/_{3}$ of 45?	Round your a three signification 43 (2.52 \div	<i>Inswers</i> to ant digits. - 8200			
38)	What is ³ / ₇ of 45?	44) 1300	÷ 6.78	52) o diar ano one muo	One drill bit has a meter of $\frac{3}{8}$ " and other is $\frac{11}{32}$ ". Which is bigger, and by how ch is it bigger?	