Name:		Period:		Da	te:
Math Unit 1	: Numerical I	Expressions and Factors			
Lesson 1.1-	Whole Numb	er Operations (Day 2)			
SWBAT:		Paraphrase	:		
Essential Que problem?	ıestion: How	do you know which operati	on to choo	ose when so	lving a real-life
Vocabulary	Sum-the ans	wer to an prob	lem		
	<u>Difference</u> -t	he answer to a	problem	1	
	<u>Product</u> -the	answer to a	problem		
	Quotient-the	e answer to a	problem		
	Expression-				
	Whole Num	<u>ber</u> -			
			_		
Example 1	You make 24 equal for a go-kart. You p		So, divide the tens tens place.	and write the first digit of	f the quotient in the
	of \$840. How much		$\frac{3}{24)840}$	Divide 84 by 24: There are 1	hree groups of 24 in 84.
	each payment? You want to find the	number	$\frac{-72}{12}$	Multiply 3 and 24. Subtract 72 from 84.	
	of groups of 24 in \$8 phrase <i>groups of 24</i>		Next, bring down t	the 0 and divide the ones.	
	indicates you need the quotient of 840		35 24) 840	Divide 120 by 24: There are	five groups of 24 in 120.
	Use long division to		$\frac{-72}{120}$	Multiply 5 and 24.	Check Find the
		ite the first digit of the quotient.	$\frac{-120}{0}$	Subtract 120 from 120.	product of the quotient and the divisor.
	$\frac{?}{840}$	Do not use the hundreds place because 24 is greater than 8.	The quotient of 84	0 and 24 is 35.	35 quotient × 24 divisor
	? 24) 840	Use the tens place because 24 is less than 84.	So, each paym	ent is \$35.	140 70
Va T	_	<u> </u>		**1	840 dividend
Your Turn		Bequal payments for a video	-	em with game	es. You pay a
	total of \$468	3. How much is each paymen	t?		

Example 2	A 301-foot-high swing at an amusement park can take 64 people on each ride. A total of 8983 people ride the swing today. All the rides are full except for the last ride. How many rides are given? How many people are on the last ride? To find the number of rides given, you need to find the number of groups of 64 people in 8983 people. The phrase groups of 64 people in 8983 people indicates you need to find the quotient of 8983 and 64.					
	Divide the place-value positions from left to right.					
	$ \begin{array}{c c} 140 \text{ R23} \\ 64)\overline{8983} & \text{There is one group of 64 in 89.} \\ \underline{-64} \downarrow \\ 258 & \text{There are four groups of 64 in 258.} \end{array} $ $ \begin{array}{c c} \hline \text{Do not stop here. You} & -256 \downarrow \end{array} $					
	must write a 0 in the ones place of the quotient. \longrightarrow 23 There are no groups of 64 in 23.					
	The remainder is 23.					
	The quotient is $140\frac{23}{64}$. This indicates 140 groups of 64, with 23 remaining.					
	So, 141 rides are given, with 23 people on the last ride.					
Your Turn	A record-breaking rollercoaster at an amusement park can take 28 people on each ride. A total of 24, 539 people ride the rollercoaster today. All of the rides are full except the last ride. How many rides are given? How many people are on the last ride?					
Notes / Questions						

Let's Practice!

Find the value of the expression. Use estimation to check your answer.

$$\frac{986}{58}$$

3)
$$\frac{6096}{30}$$

5) Find the quotient of 9920 and 320.