



top picture and that is the new fraction.

5th Grade Math Notes

Operations With Decimals	Measurement Conversions		
Adding Decimals:	12 inches = 1 foot		
1. Line up the decimal points and add as usual.	3 feet = 1 yard		
2. Drag the decimal straight down.	1,760 yard = 1 mile 5,280 feet = 1 mile		
Subtracting Decimals:			
1. Line up the decimal points and subtract as usual.			
2. Drag the decimal point straight down.	1 kilometer = 1,000 meters		
Multiplying Decimals:			
1. Multiply as usual.	1 gallon = 4 quarts		
2. Count the digits behind the decimals.	1 quart = 2 pints		
3. Place your decimal point in the product (answer).	1 pint = 2 cups		
Make sure the product and the original problem have	1 cup = 8 ounces		
the same number of digits behind the decimal.			
Dividing Decimals:	16 oz. = 1 lb.		
1. Move the decimal in the divisor so it is a whole	8 oz. = $\frac{1}{2}$ lb. weight		
number. Move the decimal in the dividend the same	$\frac{3}{2}$ $\frac{10}{2}$ Weight		
number of spaces.	8 oz. = $\frac{1}{2}$ lb. 4 oz. = $\frac{1}{4}$ lb.		
3. Divide as usual.	4 02 4 10.		
4. In your answer, place the decimal directly above			
the decimal in the dividend.			
Fraction, Decimal and Percent	Rounding Rap		
$\frac{3}{4}$ = 0.75 = 75%			
~ To find the decimal divide the numerator by the	Yo, find that place value		
denominator.	Circle that digit		
3 0. 7 5 decimal =	Move to the right, underline get it.		
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	0-4 circle stays the same		
0	5-9 add one is the game		
3 0	Now flex your muscles like a hero		
2 8	Digits to the right change to zero		
2 0	All the other digits stay the same		
- 2 0	Yo! You're the winner of the rounding		
0 0	game!		
~ The percentage is the first two numbers behind			
the decimal point. (decimal 0.75 = 75%)			
~ To determine a fraction from a decimal put the			
decimal in fraction form and simplify.			
Ex. $0.75 = \frac{75}{100} = \frac{3}{4}$			

5th Grade Math Notes

Place Value Divisibility Rules 2-5									
<u>Place Value</u>							Example: 4,368		
hundred millions ten millions millions hundred thousands ten thousands thousands						If the last digit is divisible by 2 then the original number is divisible by 2.	(Since 8 is divisible by two then 4,368 is divisible by 2.)		
hundred millions ten millions millions	hundred millio ten millions millions hundred thous ten thousands thousands	hundreds	hundreds tens	ones	If the sum of the digits is divisible by three then the	Example: 495 4+9+5 = 18			
	<u>ح</u> 	<u>+</u>	<u>+</u>	, <u> </u>	<u>+</u>	ō 	original number is divisible by 3.	(Since 18 is divisible by 3 then 495 is divisible by 3.)	
Whole Numbers						If the last two digits are	Example: 4,328		
usands ds			 				divisible by four then the original number is divisible by 4.	(Since 28 is divisible by four then 4,328 is divisible by 4.)	
hundred thousands ten thousands thousands	, hundreds	tens	ones	tenths	hundredths	thousandths	If the last digit is a five or a zero then the number is divisible by 5.	Example: 3,695 (Since the last digit is a 5 then 3,695 is divisible by 5.)	
Whole Numbers Whole									
	Long Division					<u>Divisibility Rules 6-10</u>			
Divide	Divide <u>1237</u> R 1						Example: 534		
Multiply 6 7 4 2 3 Subtract -6 1 4 -1 2 2 Bring down 1 4 -1 2 2 2					3	If the number is divisible by two and three then the number is divisible by 6.	Is it divisible by 2? – yes because 4 is divisible by 2 Is it divisible by 3? – yes because 5+3+4=12 and 12 is divisible by 3 so 534 is divisible by 6		
$ \begin{array}{r} 0 & 2 & 2 \\ $						If the last three digits are divisible by eight then the original number is divisible by 8.	Example 7,328 (Since 328 is divisible by eight then 7,328 is divisible by 8.)		
~ Divide 6 into	7 one ti	ime so	o 1 ao	es ab	ove t	he 7.			
 Divide 6 into 7 one time so 1 goes above the 7. Multiply 1 by 6 which equals 6 and subtract from 7 which equals 1. 						If the sum of the digits is divisible by nine then the	Example: 495 4+9+5 = 18		
~ Then bring down the 4 and the process begins again until every number has been divided.					ded.	original number is divisible by 9.	(Since 18 is divisible by 9 then 495 is divisible by 9.)		
~ The final answ	ner is 1,	,237	remai	inder	1.			Example: 4,560	
							If the last digit is a zero then		

5th Grade Math Notes

