Titles of Problem Sets for MonumentalMath.com in the Category of Math Foundations, Fall, 2015				
	No.			
	of	Math Topic(s) or Example, Level of	In This/These	
Problem Set Titles	Sets	Difficulty from 1st set to last set	Chapter(s)	When?
		Addition, 2+_ = 6 matches 4+_= 8		
Match Them, With Sums Through 10	5	_+3 = 8 matches 4+_ = 9		
		Addition, 4+_ = 5 matches 7+_ = 8		
Match Them, With Sums Through 12	5	4+_ = 12 matches _+1 = 9		
		Addition, 13+_ = 16 matches _+2 = 5		
Match Them, With Sums Through 18	5	_+12 = 18 matches 8+_= 14		
		Addition, 7+_ = 11 matches 15+_= 19		
Match Them, With Sums Through 20	5	4+_ = 16 matches _+8 = 20		
Adding Doubles	6	Addition, 3 + 3 = , 23 + 23 =		
		Addition with compatible numbers, 4		
Mental Math - Addition	6	+ 3 + 6 = , 48 + 27 + 12 =		
Adding Doubles, Plus 1	6	Addition, $7 + 8 = , 22 + 23 =$		
-				
		Addition, look for a way to make com-		
Take It, Break It, Remake It	6	patible nos. $18 + 5 = 356 + 25 =$		
		Count forward to the next multiple of		
		10, then more, 17 + _ = 23, 18 + _ =		
Something Is Missing	2	25		
<u> </u>		Addition, counting forward to the next		
		multiple of 10, then more, $25 + _ = 50$,		
Adding, With Sums of 50	6	17 + _ = 50		
rading, with built of ob	-	Addition, counting forward to the next		
		multiple of 10, then more, $20 + _ = 100$,		
Adding, With Sums of 100	6	+ 31 = 100		
		Find the value of 3 nickels & 6		
		pennies, 3 quarters & 2 dimes & 4		
Total Value of Coins	3	nickels		
Change From a \$1 Bill	6	When you spent 15 cents, 87 cents		
Change From a \$5 Bill	6	When you spent \$2.25, \$3.52		
Change From a \$10 Bill	6	When you spent \$7.25, \$3.64		
Shange From a wro Dill		Ψ1.20, ψ0.04		

Titles of Problem Sets for	Titles of Problem Sets for MonumentalMath.com in the Category of Math Foundations, Fall, 2015			
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	of	Math Topic(s) or Example, Level of	In This/These	
Problem Set Titles	Sets	Difficulty fromto	Chapter(s)	When?
Round to the Nearest 10	4	Rounding, 83, 349		
Round to the Nearest 100	4	Rounding, 234, 5,907		
Round to the Nearest 1,000	4	Rounding, 3,282; 18,945		
		Look for clever combinations, 4*13*25,		
Multiplication, Using Mental Math	6	0.02 * 24 * 50		
		Using multiples of 12, earnings per		
Yearly Salary	4	month were \$40, \$3,500		
		Rounding to be able to use mental		
		math, went 211 miles on 7 gallons of		
Tank of Gas	2	gas, went 149 on 15.1 gallons of gas		
Tank of Cas		gas, went 145 on 15.1 gailons of gas		
		Use formula and mental math, rate of		
		60 mph for 8 hrs, find rate for distance		
DERT ~ Distance Equals Rate * Time	3	of 99 m covered in 11.2 seconds		
•		Applying distributive property, 3 * 12,		
Using the Distributive Property	3	9 * 43		
		List all the factors of 18, 480 has		
The Factors of	6	these 4 factors		
Greatest Common Factor	2	Find the GCF for 2 & 20, 48 & 80		
Lowest Common Multiple	3	Find the LCM for 2 & 8, 45 & 180		
		Find the prime factorization for 20, 75		
		and the reverse: What number has this		
		prime factorization: 2 * 3 * 5², 2³ * 5²		
Prime Factorization	6	* 7		
		Practise finding prime factorization,		
		analyzing and drawing conclusions, for		
Find the GCF, Using Prime Factorization	4	8 & 20, for 240 & 225		
		Practise finding prime factorization,		
		analyzing and drawing conclusions, for		
Find the LCM, Using Prime Factorization	3	8 & 20, for 55 & 120		

Titles of Problem Sets for MonumentalMath.com in the Category of Math Foundations				
	No.			
	of			
Problem Set Titles	Sets	Math Topics	Chapter(s)	When?
		Converting the problem to an easy		
		mental math problem, find 24 * 5,		
Divide and Double	5	find 0.024 * 5		
Fractions - Simplify Completely	10	Simplifying, 3/12, 150/275		
- manage company company		Arranging fractions from least to		
		greatest, 3/8 & 1/4 & 5/6, 9/36 &		
Order Up	6	15/45 & 8/80		
•		Adding & simplifying, 1/6 + 1/6,		
Addition of Fractions With Like Denominators	6	17/90 + 3/90		
		Converting to like denominators,		
		adding & simplifying, 3/4 + 1/8,		
Addition of Fractions With Like or Unlike Denominators	7	25/48 + 3/4		
		Using mental math to easily 'cut it in		
Cut It In Half	10	half', cut 86 in half, Cut 0.03 in half		
		Analyzing, multiplying, simplifying, 3/4		
Multiplication of Fractions	6	* 4/9, 9/96 * 12/18		
		Convert the problem to be able to use		
Multiplication With a Fraction - Be Clever!	2	mental math,1/2 * 9 * 16, 36 * 5 * 2/3		
		Analyzing & using mental math, find 1/4		
P.O.P A P ortion o f a P ortion	3	of 1/5 of 100, 2/3 of 3/4 of 80		
		Convert the problem to be able to use		
Close Enough! Finding a Fraction of a Number	3	mental math,1/2 of 139, 3/8 of 42		
Converting Mixed Numbers to Improper Fractions	2	2 5/6 = ?, 9 6/7 = ?		
Converting Mixed Numbers to Improper Fractions Converting Improper Fractions to Mixed Numbers	2	8/3 = ?, 42/5 = ?		
Converting improper Fractions to Mixed Numbers		0/3 - :, 42/3 = !		
Division of a Whole Number by a Fraction	2	6 ÷ 2/3, 36 ÷ 3/4		

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	of			
Problem Set Titles	Sets	Math Topics	Chapter(s)	When?
		Look for patterns, convert, $3/4 = ?$,		
Converting Common Fractions to Decimals	10	8/20 = ?		
		Simplify to a common fractions and		
Converting Fractions to Decimals	10	convert, 6/30, 140/180		
		Convert from a fraction to a decimal to		
Converting Fractions to Percents	2	a percent, 3/8, 9/24		
		View and a second secon		
First 400/ an 000/ of a Neverland	4	View as a mental math problem, find		
Find 10% or 20% of a Number	4	10% of 200, Find 20% of 780		
Find 250/ or 500/ or 750/ of a Number	4	View as a mental math problem, find		
Find 25% or 50% or 75% of a Number	4	25% of 44, find 75% of 320		
Finds Descript of a Newsberr	4	Convert to a mental math problem, find		
Find a Percent of a Number	4	20% of 150, find 15% of 80		
51 1 5 4 1 TI 40004 4 N I		Convert to a mental math problem, find		
Find a Percent, Larger Than 100%, of a Number	2	125% of 400, find 320% of 50		
		Convert problem to a mental math		
Close Enough! Finding a Percent of a Number	4	problem, find 10% of 91,find 25% of 49		
	-	Use the 2 numbers to make a fraction,		
		then convert to a decimal and to a		
		percent, 3 is what % of 12?, 24 is		
This Is What Percent of That?	2	what % of 60?		
Find the Mean	2	For 3, 3, 4, 6 For 4, 4.5, 5, 4.1		
Find the Median	2	For 3, 5, 8, 7, 6 For 3, 5, 6, 12		
Find the Mode	2	For 3, 41, 3, 17 For 4, 4.2, 7		
		15" = ?ft.?in. Or 3'8" = ?" Or 5		
How Tall Is That? (ft. & in.)	5	2/3' = ?inches		
now rain is mate (it. wiii.)	J	2/0 - :		

Titles of Problem Sets for MonumentalMath.com in the Category of Math Foundations				
Problem Set Titles	No. of	Math Topics	Chantar(a)	When?
Froblem Set Titles	3612	400sec. = _ min_ or 2_1/2 hours = _	Chapter(s)	wileli :
		min or 6 wks= + days or 12 3/4 hrs = _		
Time Conversions	2	min, 140 days = _ wks	-	
Metric Conversions - Length	3	$6.5 \text{ m} = _ \text{ cm}$ $4.04 \text{ km} = _ \text{ hm}$		
		164 oz = _ lbs. or 4 1/2 lbs. = _ oz. or		
Weight Conversions - Customary Units	2	5,000 lbs. = _ tons		
		3 c. = _ pints, or 6 1/2 qts = _ cups or		
Volume Conversions - Customary Units	3	40 oz. = _ c. or 3 pints = _ oz.		
·				
Rounding Decimals to the Nearest Tenth	4	Round 0.07 10.995		
Rounding Decimals to the Nearest Hundredth	4	Round 2.531 6.8496		
Decimal Addition, With Sums of 1	4	0.25 + _ = 1		
Decimal Addition, With Sums of 10	4	2.4 + _ = 10		
Do the Math - Adding Integers	10	4+_=-6 -12+_3		
Subtracting With Negative Integers	2	- 6 - 4 7 - (-9) - 4		
Maybe It's Negative	2	(3*6)/(-9) 48 ÷ $(3*(-4))/(-2)$		
Order of Operations	4	$6 + (3 + 5)^2$ $60 \div (4 + 4^2) * 3$		
Find a Fraction of a Negative Number	3	2/3 of - 36 3/4 (- 48)		
Working With Absolute Values	2	4 + (- 9) 8 - - 3 * 5		
For an and a		Fuel val 42 02 02		
Exponents	6	Evaluate 4 ² 8 ² - 2 ²		
Between Which Two Positive Consecutive Integers?	2	Analyze and decide √23 √350		
Sums of Square Roots	3	$\sqrt{36} + \sqrt{144}$ $\sqrt{225} + \sqrt{121}$		
Sums and Differences of Square Roots	2	$\sqrt{169} - \sqrt{49}$ $\sqrt{400} + \sqrt{64}$		