

The Problem Sets for MonumentalMath.com in the Category of Math Foundations

Done ?	Title of Problem Set, Set #	Set #	1st	2nd	3rd	4th	5th	6th	7th or Pre-Alg	8th or Alg	Geom	Adv Alg	GED Test Prac.	ACT Prac.
	Numbers, Number Sense, Operations													
	Match Them, With Sums Through 10	1	x											
		2	x											
		3	x											
		4	x											
		5	x											
	Match Them, With Sums Through 12	1	x											
		2	x											
		3	x											
		4	x											
		5	x											
	Match Them, With Sums Through 18	1	x	x										
		2	x	x										
		3	x	x										
		4	x	x										
		5	x	x										
	Match Them, With Sums Through 20	1	x	x	x									
		2	x	x	x									
		3	x	x	x									
		4	x	x	x									
		5	x	x	x									
	Adding Doubles	1	x	x										
		2	x	x										
		3	x	x										
		4	x	x										
		5	x	x										
		6	x	x										
	Adding Doubles, Plus 1	1	x	x										
		2	x	x										
		3	x	x										
		4	x	x										
		5	x	x										
		6	x	x										

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	Numbers, Number Sense, Operations													
	Mental Math - Addition	1	x	x										
		2		x	x	x	x							
		3		x	x	x	x							
		4		x	x	x	x							
		5		x	x	x	x							
		6		x	x	x	x							
	Take It, Break It, Remake It	1		x	x	x	x						x	
		2		x	x	x	x						x	
		3		x	x	x	x						x	
		4		x	x	x	x						x	
		5			x	x	x						x	
		6			x	x	x						x	
	Something Is Missing	1			x	x	x							
		2			x	x	x							
		3			x	x	x							
		4			x	x	x							
		5			x	x	x							
		6			x	x	x							
	Real Life Math: Temperatures (Subtraction)	1		x	x	x	x							
		2		x	x	x	x							
	Adding, With Sums of 50	1		x	x	x								
		2		x	x	x								
		3		x	x	x								
		4		x	x	x								
		5		x	x	x								
		6		x	x	x								
	Adding, With Sums of 100	1		x	x	x								
		2		x	x	x								
		3		x	x	x								
		4		x	x	x								
		5		x	x	x								
		6		x	x	x								

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	Money and Operations													
	Total Value of Coins	1	x	x	x	x	x							
		2		x	x	x	x							
		3		x	x	x	x							
	Real Life: Jobs For Kids (+, -, /)	1			x	x	x	x						
		2			x	x	x	x						
		3			x	x	x	x						
	Change From a \$1 Bill	1			x	x	x	x	x	x			x	
		2			x	x	x	x	x	x			x	
		3			x	x	x	x	x	x			x	
		4			x	x	x	x	x	x			x	
		5				x	x	x	x	x			x	
		6				x	x	x	x	x			x	
	Change From a \$5 Bill	1				x	x	x	x	x			x	
		2				x	x	x	x	x			x	
		3				x	x	x	x	x			x	
		4				x	x	x	x	x			x	
		5				x	x	x	x	x			x	
		6				x	x	x	x	x			x	
	Change From a \$10 Bill	1				x	x	x	x	x			x	
		2				x	x	x	x	x			x	
		3				x	x	x	x	x			x	
		4				x	x	x	x	x			x	
		5				x	x	x	x	x			x	
		6				x	x	x	x	x			x	

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	Rounding Numbers													
	Round to the Nearest 10	1		X	X	X	X	X	X	X			X	
		2		X	X	X	X	X	X	X			X	
		3		X	X	X	X	X	X	X			X	
		4		X	X	X	X	X	X	X			X	
	Round to the Nearest 100	1		X	X	X	X	X	X	X			X	
		2			X	X	X	X	X	X			X	
		3			X	X	X	X	X	X			X	
		4			X	X	X	X	X	X			X	
	Round to the Nearest 1,000	1			X	X	X	X	X	X			X	
		2			X	X	X	X	X	X			X	
		3			X	X	X	X	X	X			X	
		4			X	X	X	X	X	X			X	
	Multiplying and/or Dividing													
	Multiplication Using Mental Math	1				X	X	X	X	X			X	
		2				X	X	X	X	X			X	
		3				X	X	X	X	X			X	
		4				X	X	X	X	X			X	
		5				X	X	X	X	X			X	
		6				X	X	X	X	X			X	
	Multiples of 2, 3 or 4	1			X	X	X	X	X	X				
		2			X	X	X	X	X	X				
	Multiple of 4 and 6	1			X	X	X	X	X	X				
		2			X	X	X	X	X	X				
	Multiples of 8 and 9	1			X	X	X	X	X	X				
		2			X	X	X	X	X	X				
	Real Life: Dances (+, *)	1				X	X	X	X					
		2				X	X	X	X					
	Real Life: Catering (+, *)	1				X	X	X	X					
		2				X	X	X	X					
	Real Life: Yearly Salary (*)	1				X	X	X	X	X			X	
		2				X	X	X	X	X			X	
		3					X	X	X	X			X	
		4					X	X	X	X			X	
	Tank of Gas, (Rounding, Division)	1						X	X	X			X	X
		2						X	X	X			X	X

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	DERT ~ Distance Equals Rate * Time (* or ÷)	1					X	X	X	X			X	X
		2					X	X	X	X			X	X
		3					X	X	X	X			X	X
	Using the Distributive Property (* and +)	1					X	X	X	X			X	
		2					X	X	X	X			X	
		3					X	X	X	X			X	
	Divide and Double	1					X	X	X	X			X	
		2					X	X	X	X			X	
		3					X	X	X	X			X	
		4					X	X	X	X			X	
		5					X	X	X	X			X	
	Fraction Topics													
	The Factors Of...	1			X	X	X	X	X	X			X	
		2			X	X	X	X	X	X			X	
		3			X	X	X	X	X	X			X	
		4				X	X	X	X	X			X	
		5				X	X	X	X	X			X	
		6				X	X	X	X	X			X	
	Greatest Common Factor	1				X	X	X	X	X			X	
		2				X	X	X	X	X			X	
	Lowest Common Multiple	1				X	X	X	X	X			X	
		2				X	X	X	X	X			X	
		3				X	X	X	X	X			X	
	Prime Factorization	1					X	X	X	X			X	
		2					X	X	X	X			X	
		3					X	X	X	X			X	
		4					X	X	X	X			X	
		5					X	X	X	X			X	
		6					X	X	X	X			X	
	Find the GCF, Using Prime Factorization	1						X	X	X				
		2						X	X	X				
		3						X	X	X				
		4						X	X	X				
	Find the LCM, Using Prime Factorization	1						X	X	X				
		2						X	X	X				
		3						X	X	X				

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	Fractions													
	Fractions - Simplify Completely	1				x	x	x	x	x			x	
		2				x	x	x	x	x			x	
		3				x	x	x	x	x			x	
		4					x	x	x	x			x	
		5					x	x	x	x			x	
		6					x	x	x	x			x	
		7					x	x	x	x			x	
		8					x	x	x	x			x	
		9					x	x	x	x			x	
		10					x	x	x	x			x	
	Order Up	1					x	x	x	x			x	
		2					x	x	x	x			x	
		3					x	x	x	x			x	
		4					x	x	x	x			x	
		5					x	x	x	x			x	
		6					x	x	x	x			x	
	Addition of Fractions With Like Denominators	1				x	x	x	x	x			x	
		2				x	x	x	x	x			x	
		3				x	x	x	x	x			x	
		4				x	x	x	x	x			x	
		5					x	x	x	x			x	
		6					x	x	x	x			x	
	Addition of Fractions With Like or Unlike Denominators	1					x	x	x	x			x	
		2					x	x	x	x			x	
		3					x	x	x	x			x	
		4					x	x	x	x			x	
		5					x	x	x	x			x	x
		6					x	x	x	x			x	x
		7					x	x	x	x			x	x

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	Cut It In Half	1		x	x	x	x	x	x	x			x	
		2		x	x	x	x	x	x	x			x	
		3			x	x	x	x	x	x			x	
		4		x	x	x	x	x	x	x			x	
		5		x	x	x	x	x	x	x			x	
		6			x	x	x	x	x	x			x	
		7			x	x	x	x	x	x			x	
		8				x	x	x	x	x			x	
		9				x	x	x	x	x			x	
		10					x	x	x	x			x	
	Multiplication of Fractions	1					x	x	x	x			x	x
		2					x	x	x	x			x	x
		3					x	x	x	x			x	x
		4					x	x	x	x			x	x
		5					x	x	x	x			x	x
		6						x	x	x			x	x
	Multiplication With a Fraction - Be Clever!	1						x	x	x			x	x
		2						x	x	x			x	x
	P.O.P. - A Portion of a Portion	1						x	x	x			x	x
		2						x	x	x			x	x
		3						x	x	x			x	x
	Close Enough! Finding a Fraction of a Number	1					x	x	x	x			x	x
		2					x	x	x	x			x	x
		3					x	x	x	x			x	x
	Division of a Whole Number by a Fraction	1					x	x	x	x			x	
		2					x	x	x	x			x	
	Mixed Numbers													
	Converting Mixed Numbers to Improper Fractions	1					x	x	x	x			x	
		2					x	x	x	x			x	
	Converting Improper Fractions to Mixed Numbers	1					x	x	x	x			x	
		2					x	x	x	x			x	
	Multiplication With a Mixed Number	1					x	x	x	x			x	
		2					x	x	x	x			x	
		3					x	x	x	x			x	

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	Fractions, Decimals and Percent													
	Converting Common Fractions to Decimals	1					X	X	X	X			X	
		2					X	X	X	X			X	
		3					X	X	X	X			X	
		4					X	X	X	X			X	
		5					X	X	X	X			X	
		6					X	X	X	X			X	
		7					X	X	X	X			X	
		8					X	X	X	X			X	
		9					X	X	X	X			X	
		10					X	X	X	X			X	
	Converting Fractions to Decimals	1						X	X	X			X	
		2						X	X	X			X	
		3						X	X	X			X	
		4						X	X	X			X	
		5						X	X	X			X	
		6						X	X	X			X	
		7						X	X	X			X	
		8						X	X	X			X	
		9						X	X	X			X	
		10						X	X	X			X	
	Converting Fractions to Percents	1						X	X	X			X	X
		2						X	X	X			X	X
		3						X	X	X			X	X
		4						X	X	X			X	X
		5						X	X	X			X	X
		6						X	X	X			X	X

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	Percent of a Number													
	Find 10% or 20% of a Number	1						X	X	X			X	X
		2						X	X	X			X	X
		3						X	X	X			X	X
		4						X	X	X			X	X
	Find 25% or 50% or 75% of a Number	1						X	X	X			X	X
		2						X	X	X			X	X
		3						X	X	X			X	X
		4						X	X	X			X	X
	Find a Percent of a Number	1						X	X	X			X	X
		2						X	X	X			X	X
		3						X	X	X			X	X
		4						X	X	X			X	X
	Find a Percent, Larger Than 100%, of a Number	1						X	X	X			X	X
		2						X	X	X			X	X
	Close Enough! Finding a Percent of a Number	1						X	X	X			X	X
		2						X	X	X			X	X
		3						X	X	X			X	X
		4						X	X	X			X	X
	This Is What Percent of That?	1						X	X	X			X	X
		2						X	X	X			X	X
	Real Life: Selling a Home (+, -, *, %)	1						X	X	X			X	
		2						X	X	X			X	
	Real Life: Commissions, (*, %)	1						X	X	X			X	
		2						X	X	X			X	
	Dealing With Data													
	Find the Mean	1						X	X	X			X	
	" "	2						X	X	X			X	
	Find the Median	1						X	X	X			X	
	" "	2						X	X	X			X	
	Find the Mode	1						X	X	X			X	
	" "	2						X	X	X			X	

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	Measurement													
	How Tall Is That? (ft. & in.)	1				x	x	x	x	x			x	
		2				x	x	x	x	x			x	
		3				x	x	x	x	x			x	
		4				x	x	x	x	x			x	
		5				x	x	x	x	x			x	
	Time Conversions	1				x	x	x	x	x			x	
		2				x	x	x	x	x			x	
	Metric Conversions - Length	1					x	x	x	x			x	
		2					x	x	x	x			x	
		3					x	x	x	x			x	
	Weight Conversions - Customary Units	1						x	x	x			x	
		2						x	x	x			x	
	Volume Conversions - Customary Units	1					x	x	x	x			x	
		2					x	x	x	x			x	
		3					x	x	x	x			x	
	Dealing With Decimals													
	Rounding Decimals to the Nearest Tenth	1				x	x	x	x	x			x	
		2				x	x	x	x	x			x	
		3				x	x	x	x	x			x	
		4				x	x	x	x	x			x	
	Rounding Decimals to the Nearest Hundredth	1				x	x	x	x	x			x	
		2				x	x	x	x	x			x	
		3				x	x	x	x	x			x	
		4				x	x	x	x	x			x	
	Decimal Addition, With Sums of 1	1					x	x	x	x			x	
		2					x	x	x	x			x	
		3					x	x	x	x			x	
		4					x	x	x	x			x	
	Decimal Addition, With Sums of 10	1						x	x	x			x	
		2						x	x	x			x	
		3						x	x	x			x	
		4						x	x	x			x	

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	Using Formulas														
	Real Life: Distance Problems (*, /)	1					x		x	x	x			x	
		2					x		x	x	x			x	
		3					x		x	x	x			x	
	Real Life: $I = p * r * t$, (*, /, %)	1							x	x	x			x	
		2							x	x	x			x	
	Dealing With Negatives														
	Do the Math - Adding Integers	1							x	x	x			x	x
		2							x	x	x			x	x
		3							x	x	x			x	x
		4							x	x	x			x	x
		5							x	x	x			x	x
		6							x	x	x			x	x
		7							x	x	x			x	x
		8							x	x	x			x	x
		9							x	x	x			x	x
	Subtracting With Negative Integers	1							x	x	x			x	x
		2							x	x	x			x	x
	Maybe It's Negative	1							x	x	x			x	x
		2							x	x	x			x	x
	Find a Fraction of a Negative Number	1								x	x			x	x
		2								x	x			x	x
		3								x	x			x	x
	Order of Operations														
	Order of Operations	1								x	x			x	x
		2								x	x			x	x
		3								x	x			x	x
		4								x	x			x	x
	Just These.... Order of Operations	1								x	x				
		2								x	x				
	Absolute Values														
	Working With Absolute Values	1								x	x			x	x
		2								x	x			x	x

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	Exponents													
	Exponents	1						x	x	x		x	x	x
		2						x	x	x		x	x	x
		3							x	x		x	x	x
		4							x	x		x	x	x
		5							x	x		x	x	x
		6							x	x		x	x	x
	Squares and Square Roots													
	Between Which Two Positive Consecutive Integers	1							x	x	x	x	x	x
		2							x	x	x	x	x	x
	Sums of Square Roots	1							x	x	x	x	x	x
		2							x	x	x	x	x	x
		3							x	x	x	x	x	x
	Sums and Differences of Square Roots	1							x	x	x	x	x	x
		2							x	x	x	x	x	x