

	The Last Digit	36 Divisibility	Planning Cruises	Minimizing Products	Difference of Squares	Fibonacci Extended	Squares and Differences	Want to be a Millionaire?	Average Score	Negative Exponents	Consuming Candy	Willing Money	Fair Time	Salary Schedule	Scoring the Winning Goal	Collecting Stamps	Inventory Supplies	Consecutive Sum	OOPS! I Subtracted	Greatest Product	Keeping Pace	Save the Princess
Inductive and deductive reasoning	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Modeling, representing, abstraction	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X
Bases	X							X		X												X
Multiples and factors	X	X	X		X			X			X	X		X			X		X	X	X	X
Prime and composite																						
Fractions, decimals and percents											X											
Exponents, scientific and calculator notation	X				X		X	X		X												X
Sets of numbers, i.e. rational		X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X		
Properties	X	X	X		X	X	X	X	X	X						X		X				
Inverse operations/relationships					X	X	X	X	X										X			
Estimation				X					X			X										
Calculations	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
History of numeration					X	X	X															

Note: In order to view the investigations go to <http://www.intermath-uga.gatech.edu> and search for the title of the investigations.

	Blocked Off	Almost a Square	Choose an Elevator	Multiples of 72	Three Daughters	Perfecting 90	The Frog Race	Double Trouble	Hypatia's Triumph	Proper Patterns	Pages with Digits	Super Soccer	Double Exponents	Same Base Multiples and Exponents	Consecutive Primes	Perfect Numbers	Six Divisors	Nonrepeating Decimals	How Old are Three Daughters?	Cutting Hair	Don't Just Say "It's Undefined"
Inductive and deductive reasoning	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Modeling, representing, abstraction	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Bases													X	X							
Multiples and factors	X	X	X	X	X	X	X		X	X			X	X		X	X	X	X	X	
Prime and composite		X								X					X	X					
Fractions, decimals and percents																		X		X	
Exponents, scientific and calculator notation		X				X			X				X	X							
Sets of numbers, i.e. rational	X	X			X	X					X							X			
Properties		X				X			X	X			X	X	X	X		X			X
Inverse operations/relationships	X	X			X	X			X								X				X
Estimation		X																			
Calculations	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
History of numeration									X												X

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	Multiples of Nine	Divisibility by Eight	Locker Counting	Abundant Numbers	Abundant Numbers II	Abundant, Deficient, and Perfect	Mental Squaring	Odd and Strange	Sum of Consecutive Integers	Counting the Years	Summing Away	Take a Different Base	Relationships in the Hundreds	Constructing Triangles	The Differences Between Horses and People	Pick up the Sticks	Caging Mice	Happy Numbers	Irrational to Rational	Making Change
Inductive and deductive reasoning	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Modeling, representing, abstraction	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Bases												X								
Multiples and factors	X	X	X	X	X	X	X	X							X			X	X	X
Prime and composite				X	X	X														
Fractions, decimals and percents																				X
Exponents, scientific and calculator notation							X											X		
Sets of numbers, i.e. rational									X		X			X	X					
Properties	X	X		X	X	X						X						X	X	
Inverse operations/relationships																			X	
Estimation																				
Calculations	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
History of numeration																				

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	The Last Digit	Square Root Patterns	Sums and Products	Perfect Square Columns	Composite Numbers	Multiples of Places	Can You Get 100?	Cryptorithms	Those Numbers Below	Calendar Math	Magic Square	Raking Leaves	Can You Add That Up	Magic Hexagon	Magic Circle	Paying for Lunch	The Horse Problem	Measuring Exact Amounts	Forgetful Fran	Squaring and Cubing	Balancing Entertainment
Inductive and deductive reasoning	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Modeling, representing, abstraction	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X
Bases																					
Multiples and factors	X					X														X	X
Prime and composite					X																
Fractions, decimals and percents																					
Exponents, scientific and calculator notation	X	X		X																X	
Sets of numbers, i.e. rational			X																		
Properties								X													
Inverse operations/relationships				X											X				X		
Estimation																					
Calculations	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X
History of numeration																					

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	Adding Places	Perplexing Properties	Consecutive Products	Extended Pythagoras	Multiple Ages	Combinations	Mystery Number	Situational Remainders	How Many Thousands?	100 Sums	Inside a Domain	Fortune Telling	Who Wants to Win One Million?	Ending a Perfect Square	Difference of Squares	What Number is it?	The End Digits	The End Digits II	Magic Triangle	One's Digit	Reversing Digits
Inductive and deductive reasoning	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Modeling, representing, abstraction	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Bases																					
Multiples and factors				X	X		X	X	X		X										
Prime and composite																					
Fractions, decimals and percents																					
Exponents, scientific and calculator notation				X										X	X		X	X		X	
Sets of numbers, i.e. rational											X										
Properties		X							X						X	X					
Inverse operations/ relationships						X		X													
Estimation																					
Calculations	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
History of numeration				X																	

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	Powers of Three	Trouble Sleeping	Ordering Chocolate	How did we do?	Ready Fire Aim!	Dividing by a Set	Spending Wisely	Abundant Numbers	Carnival Fun	Turning Red	Dollars and Sense	Tallying an Election	Aiming for Combinations	Magic Square	Remainder Shells	Products and Sums	The Secret Pocket	Unknown Ages	Finding Palindromes	Fire Divisors	Even Factors	Sharing Cookies	Know Your ABCs	Aging Adults	Multiple Digits
Inductive and deductive reasoning	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Modeling, representing, abstraction	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Bases	X																				X				
Multiples and factors		X	X	X	X	X	X	X	X	X	X				X		X	X		X	X			X	
Prime and composite																									
Fractions, decimals and percents											X					X	X								
Exponents, scientific and calculator notation	X																				X				
Sets of numbers, i.e. rational			X			X													X						
Properties								X																	
Inverse operations/relationships																									
Estimation																X	X								
Calculations	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
History of numeration																									

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	Five Alive	Impossible Scores	Squares inside Squares	Seven Envy	Integer Function	Family Math	Going to the Movies	Multiple Dozens	Factor Five	Nails in a Pail	Calendar Math	Boxes in Boxes	Missing Numbers	Using up Digits	Heavy Reader	Dividing Primes	Factoring Days	Cooking an Egg	Counting Zeros	Counterfeit Coin	Judy's Gift	Prime Factor Sums	Siblings	Nonconsecutive Grid	On Target
Inductive and deductive reasoning	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Modeling, representing, abstraction	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Bases																									
Multiples and factors		X				X	X	X	X							X	X	X				X			X
Prime and composite																X						X			
Fractions, decimals and percents														X											
Exponents, scientific and calculator notation				X																					
Sets of numbers, i.e. rational																									
Properties			X																X						
Inverse operations/relationships																									
Estimation																									
Calculations	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
History of numeration																									

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	Summing Evens	Train Tracking	Clocking Order	Magic Pairs	Filling Bases	Apples and Oranges	Coat Check	Common Digit	Multiple Calculations
Inductive and deductive reasoning	X	X	X	X	X	X	X	X	X
Modeling, representing, abstraction	X	X	X	X	X	X	X	X	X
Bases					X				
Multiples and factors					X				
Prime and composite									
Fractions, decimals and percents									
Exponents, scientific and calculator notation					X				
Sets of numbers, i.e. rational									
Properties			X		X			X	X
Inverse operations/ relationships								X	
Estimation									
Calculations	X	X	X	X	X	X	X	X	X
History of numeration									

Note: In order to view the investigations go to <http://www.intermath-uga.gatech.edu> and search for the title of the investigations.