

Algebra Matrix (Patterns)

	Consecutive Odds and Evens	Patterns in a Table	Fractions into Whole	McNugget Numbers	Multiplying Rabbits	Fibonacci Extended	Going Fishing	Infinite Series	Pascal's Patterns	Hot Air Balloons	Half-Sums	Arranging Toothpicks	Almost a Square	Choose an Elevator	Hypatia's Triumph	Raised to the 100th	Summing Multiples	Gretel's Goldfish	Tri-Square Trios	Sum of Infinite Fractions	Partial Sum of Consecutive Integers	Squares on a Checkerboard	Completing the Sequence	Sum of Consecutive Integers	Triangular Numbers
Linear	X	X		X		X	X		X			X				X	X								
Nonlinear		X	X		X			X	X	X	X		X	X	X	X	X	X	X	X			X	X	X
Tables	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Equations	X	X	X	X	X	X	X	X		X	X	X	X	X	X		X	X	X	X		X	X	X	
Graphs										X		X					X								
Slope and Intercepts																									
Arithmetic pattern	X	X	X	X	X	X	X		X			X					X	X							
Geometric pattern		X	X					X	X	X	X		X	X	X	X	X	X	X	X			X		X

Note: In order to find the investigations go to <http://www.intermath-uga.gatech.edu> and search for the investigation titles.

	Triangles inside Triangles	Sum of Natural Numbers	Repeating Patterns	Fractal Iterations	Tessellating a Plane	The Next Row	What Time is It?	The 26th Degree	Horizontal Inquisition	Playing for Sticks	Theater Seating	Units of Seven	Spreading Rumors	Adding Places	Counting Stones	Add, Add, Subtract	Triangular Array	Alpha Numeric	Row Sum	Laying Bricks	Not So Good Partitions	Even Factors	Number Machine	Missing Letters	Sprinting Around
Linear			X								X				X										
Nonlinear	X	X		X	X	X	X	X	X	X		X	X	X			X	X	X		X	X	X	X	X
Tables	X	X	X	X		X	X				X	X	X	X	X	X		X	X		X	X			X
Equations		X						X			X		X					X					X		X
Graphs																									
Slope and Intercepts																									
Arithmetic pattern											X				X	X									
Geometric pattern	X	X		X	X	X	X	X	X			X	X				X	X	X	X	X				

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	Average Patterns	Counting Terms	Breaking the Code	The Middle Digit	Squaring Legs	Proper Patterns	Continuing a Pattern	Map Coloring	As the Crow Travels	Finding the Midpoint	Approximate with Technology: Trisecting Angles
Linear	X									X	
Nonlinear		X	X	X	X	X	X	X	X		
Tables		X		X	X	X	X				
Equations	X										
Graphs							X	X	X	X	X
Slope and Intercepts											
Arithmetic pattern	X									X	X
Geometric pattern		X			X		X				

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