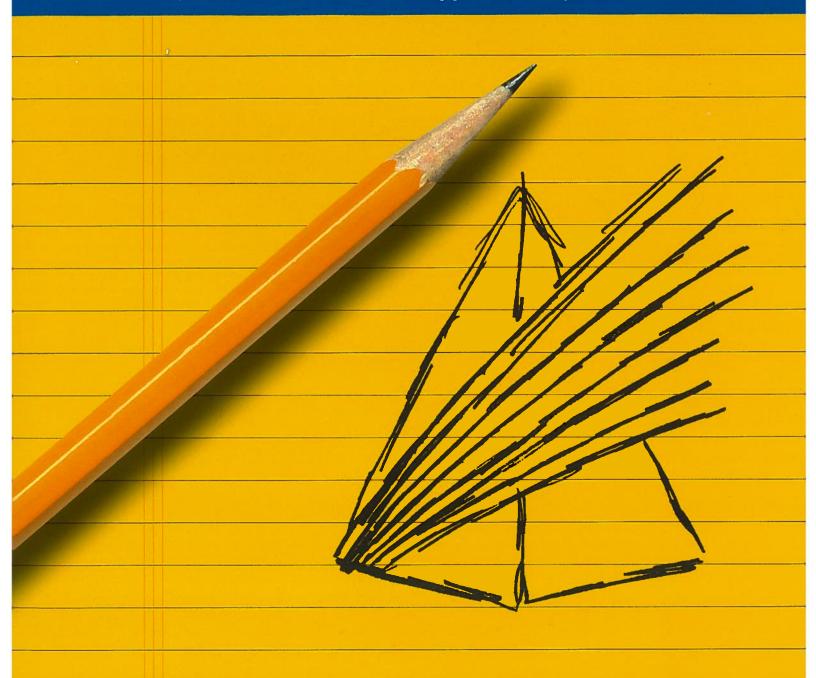
Using Activities

from the "Mathematics Teacher" to Support *Principles and Standards*





Standards												
Activity Name	Page Number	Number & Operation	Algebra	Geometry	Measurement	Data Analysis & Probability	Problem Solving	Reasoning & Proof	Communication	Connections	Representation	Grade Levels Suggested by Authors
Playing with Blocks:												9–12
Visualizing Functions	3 13			575-24						Control (No. 1)		11–12
Generating and Analyzing Data	21											7-12
The Functions of a Toy Balloon	27											9–12
Graphing Art Time for Trigonometry	35											9-12
What Is the r For?	45					384						9–12
The Inverse of a Function	53		728.									9-12
Experiments from Psychology and Neurology	63											9–12
Packing Them In	71		ii tar						1			8–12
More Functions of a Toy Balloon	79											9-12
Activities for the Logistic Growth Model	87											9–12
The Secret of Anamorphic Art	97											9-12
Probability, Matrices, and Bugs in Trees	107											10-12
Forest Fires, Oil Spills, and Fractal Geometry: Part 1	117											9-12
Nonperiodic Tilings: The Irrational Numbers of the Tiling World	129											7–12
Forest Fires, Oil Spills, and Fractal Geometry: Part 2	139											9–12
Calculating Human Horsepower	147										Profile I	7–10
Graphing for All Students	151					Table 1						7–10
Whelk-come to Mathematics	159						1.28					10-12
Discovering an Optimal Property of the Median	173											8-12
Will the Best Candidate Win?	185											8–14
The Jurassic Classroom	193		COME	No.								8–11
Volume of a Pyramid: Low-Tech and High-Tech Approaches	203						_					8-12
A Stimulating Study of Map Projections	211											7–12
Sports and Distance-Rate-Time	223										,	8–10
Print Shop Paper Cutting: Ratios in Algebra	231											7–12