Math Tools and Manipulatives

Item	Description	Quantity
AIMS Algebra Blocks	Foam blocks for teaching algebra concepts	3
AIMS Base Ten Blocks	Used for basic mathematical concepts such as place value, addition, subtraction, number sense, and counting	3 sets
Algebra Tiles	Demonstrate addition, subtraction, multiplication, and division of algebraic equations	29 Sets 1 Overhead Set 1 Booklet
Attribute Blocks	Use for teaching sorting, patterns, size comparison and other early math skills	3 Big Sets and 10 Small Sets
Balance	Mass balance to compare weights of two items: - ETA Student Balance – 1 - OHAUS Primer Balance – 12 - Foss Student Balance – 5 - One Plastic Red Balance – 1 - Nasco Student Balance – 9 - Simple Scales Kit – 1 o Includes: 1 Base, 1 Tower, 1 Top Bar, 2 Hangars, 2 Bowls, 5 Ten Gram Weights, and 5 Five Gram Weights - Bathroom Scales – 3	27 Total and 1 Kit
Base Ten Block Paper	Pads of paper of blackline masters to provide a spatial model of the base ten system	6
Base Ten Metric Volume	Provide a spatial model for the base ten number system and to investigate number concepts	59 Cubes
Base Ten: Bags of Coffee Stirrers, Rubber Bands	Used for base ten and place value understanding	5
Beads	Large wooden beads of varying shape and color	3 small bags, 1 large bag
Buttons	Colored buttons of varying sizes for different activities.	1 Bag containing 30 Buttons
Clocks	Student clocks for learning to tell time	1 large; 10 small
Cuisenaire Pattern Blocks	Various shapes (triangles, trapezoids, hexagons, squares, rhombi) used to develop spatial understanding, geometry concepts, and to create patterns	1 Five Quart Bucket Full
Cuisenaire Rods	"Cuisenaire Rod Assortment" Wood Kits – 18 - 22 white, 12 red, 10 light green, 4 orange, 6 purple, 4 yellow, 4 dark green, 4 black, 4 brown, and 4 blue	Various

	Unlabeled Wood Sets – 11 Small Bag – 1 Big Bag – 1 Bag of Plastic Fraction Cuisenaire Rods – 7 Bag of Green Plastic Tens and Ones Pieces – 1 Bag of Orange Wood Tens and Hundreds Pieces – 1 10x10x10 Wood Cube – 1	
Dice	One cup of regular dot die and one bag of numeral die	16 White 21 Green 18 Red 16 Numerals
Dice (Polyhedral Dice Set)	A jar of dice from the standard die to a die going up to 18.	1 jar
Foam Shapes	Colored Tetris shaped foam pieces	16
Fraction Circles	Nasco fraction circle pieces make up a 3-1/2" circle. Set includes: 1, 1/2, 1/3, 1/4, 1/5, 1/6, 1/8, 1/10, and 1/12 fraction pieces	18
Fraction Cubes	Demonstrate relationship of parts to whole while exploring and comparing fractions, decimals, and percents	3
Fraction Deck "The Everything Math"	A deck of flashcards with fractions illustrated on one side and numbers on the other side	7 decks
Fraction Rainbow Tiles	Rainbow colored blocks used to show what fractions and percentages look like	1 set
Fraction Rulers	Colored "rulers" that show different fractions	1 set
Fraction Spheres	Demonstrate relationship of parts to whole while exploring and comparing fractions, decimals, and percents	3
Fraction Squares	Nasco fraction square pieces make up a 2-3/4" square. Set includes: 1, 1/2, 1/3, 1/4, 1/5, 1/6, 1/8, 1/10, and 1/12 fraction pieces	18
Fraction Stax	Model with fraction pieces to analyze 1/12 all the way to 1. Ideal for grades 2-6	1 set
GeoBoards	Peg boards and rubber bands for teaching geometric concepts, problem-solving, exploring shapes, spatial relationships, designs, angles, fractions, perimeter, area, and symmetry. - Blue 7x7 peg square with circle on the reverse side – 35 - Green 5x6 offset square with activity cards – 30 - Blue 5x5 peg square with circle on the reverse side – 19 - Thick Cork Board Black 5x5 square and separate circle board – 1 of each - Clear 11x11 square – 2 - Clear 11x13 offset square – 1	Various

	- Clear 5x5 square – 1 plain and 2 labeled with letter and number coordinates - Clear circle	
Geometric Exploration: Small Envelope Games	The Fascinating Triangle – 2 Triangle Mysteries – 2 Exploring the Square – 2 Trapezoid Secrets – 1 The Five Ray Problem - 1	Various
Geometric Fractions	Colored plastic squares/rectangles to demonstrate fractions	2
Geometric Measuring Vessels with Volume Markers	2 Cylinders – 1 One Liter and 1 Half Liter 1 One Liter Wide and Stout Cylinder 2 One Liter Cubes 1 One Liter Rectangle	Various
Geometric Models	3D shapes including cones and cubes	1 set of 25 shapes
Geometric Models Set	Explore ratios, investigate volume and discover geometric relationships	1
Geometric Solids	Investigate volume, surface area, and nets by filling this set of 12 geometric solids with either wet or dry materials	3
Geometric Volume Set	Explore ratios, investigate volume and discover geometric relationships with six plastic shapes, each with four inch bases and diameters.	1
Geometry Reflect-View (Red T's)	Teach the basics of geometry, including axes of symmetry, reflections, transformations, and congruence.	27
"I have…Who has…" Cards For Classroom Round Robin Game	Addition/Subtraction Multiplication Facts Addition-Subtraction Basic Facts and Vocabulary Multiplication Facts Pictures of Sets Basic Facts Multiplication/Division Fractions 2 Place Decimals with Base ten Block Pictures 1 More, 1 Less – 10 More, 10 Less Time Vocabulary: Minutes, Hours, Days, Months, Seasons Time to the Nearest Five Minutes Time to the Nearest Quarter Hour Money, Coin Notation	1 deck of each category
Measurement Tools	Gallon Milk Jug – 1 Quart Milk Jug – 10 Pint Carton – 1 Pint Water Bottle – 1 Cup Carton – 1 Unlabeled Glass Jars – 3	1 box
Michigan Department of Education Training Materials Kits	Demonstrate place value and base ten concepts with Base Ten Blocks and Play Money	22 Small Totes

Michigan Math Improvement Brown Boxes	Sets of laminated strips with fractions and decimals – 19 in boxes and 1 extra set Protractors, Rulers for Overhead Projector	2
MMPI State Improvement Grant Booklets	MMPI Number & Operations – 7 yellow and 2 pink MMPI Measurement – 3 green and 6 orange Mathematics AYP Measurement – 5 green MMPI Algebra – 3 light blue Mathematics AYP Algebra – 4 periwinkle MMPI Geometry – 6 green and 4 yellow Mathematics AYP Geometry – 5 yellow MMPI Data & Probability – 6 gold and 5 purple	Various
Omnifix Cubes	3D folding and interlocking cubes	1 set of 300 cubes
Document Camera/Overhead Teacher Materials	Hundred Number Tiles Pattern Blocks (2) Pentominoes Base Ten Blocks Deluxe Set Attribute Blocks Fraction Tiles Assorted Shapes in Assorted Colors and Sizes (2 boxes and 1 set of bags)	1 of each unless specified
Percent Cubes	1 Set Plain 1 Set Percent Cubes 1 Set Decimal Cubes	
Play Money	9 Sets of 1's, 10's 100's, 1,000's, 10,000's, and 100,000's 1 bag of dimes 1 bag of pennies 6 Sets Containing Five 100's, Five 50's, Fifteen 20's, Twenty 10's, Twenty-Five 5's, Thirty 1's, 20 quarters, 4 half dollars, 20 dimes, 20 nickels, and 30 pennies each. 1 Overhead Set containing 4 half dollars, 10 quarters, 12 dimes, 12 nickels, and 32 pennies.	Various
Playing Cards	Full decks of standard playing cards	12
Snap Cubes	Model math concepts, explore cubes and squares of numbers, investigate patterns, and place value	2 bags
"Space Tivitz" Game	Board game where the objective is to try and save the universe using your math skills. Great for ages 8+.	11
Spinners	One to Five – 5 Zero to Nine - 5	10 Total
Tangrams	Tubs filled with geometric shapes Bins of wooden tangrams – 2 Various sized bags of wooden tangrams – 5 Bag of plastic tangrams – 1 Box of thin foam tangrams – 1 Kits containing: - 13 - 4 small squares and 4 large squares - 4 small circles and 4 large circles	Various

	- 4 small triangles and 4 large triangles - 4 small parallelograms and 4 large parallelograms	
Ten Frame & Dot Card Set	Help students to see the different combinations that make 10 and to internalize the value of these numbers and their relationships	104 cards per set 2 sets
Tetris Pieces	Use problem solving and logic to solve this square tetris puzzle	12 sets
Tricon Decade Puzzle	Helps to solve the reversal problem and teaches number sense through decade orientation	1
Tiny Polka Dot Game	A colorful card deck with 16 easy-to-learn games that playfully teach math.	1
Visual Thinking Deck	100 Illustrated problem cards	Set A – 1 Set B – 1
Weights	Kits of Plastic Stackable Pieces – 3 in boxes and 3 in buckets - 20 – 1 gram pieces - 20 – 5 gram pieces - 10 – 10 gram pieces - 5 – 20 gram pieces Bucket of Metal Weights of Varying Sizes and Shapes ranging between 50 and 500 grams – 1 Container of Staking Weights – 12 - 1 gram, 5 gram, 10 gram, and 20 gram pieces Wooden Stackable Hexagon Weights - 17 – 5 gram pieces - 20 – 10 gram pieces 10 – 20 gram pieces	Various
Whistles	Metal whistles with blue lanyard	3
White Boards	One side blank and one side base ten grid, comes with whiteboard markers and mini erasers	12
Whiteboard Magnets	Pentominoes Cuisenaire Rods Base Ten Blocks Tangrams Pattern Blocks Red Dots Number Tiles Fraction Squares	1 of each
Wooden Cubes	Illustrate area and volume, measurement, averaging, and counting	1 (5 qt bucket)