

# Recommended Manipulatives

## Primary Mathematics U.S., Standards, and Common Core Editions



Manipulative	1A	1B	2A	2B	3A	3B	4A	4B	5A	5B	6A	6B
<u>Whiteboard</u>	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
<u>Counters</u>	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
<u>Number Cards 0–10, 4 sets*</u>	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
<u>Index Cards*</u>	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
<u>Mathlink Cubes</u>	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	
<u>10-Sided Dice*</u>	✓	✓	✓	✓	✓	✓	✓	✓				✓
<u>Hundred Board</u>	✓	✓	✓	✓	✓		✓		✓			
<u>Ten-Frame Cards*</u>	✓	✓										
<u>Simple Balance</u>	✓		✓			✓						
<u>Geometric Solids*</u>	✓			✓		✓			✓			
<u>Pattern Blocks</u>	✓			✓	✓							
<u>Base-10 Blocks</u>		✓	✓	✓	✓		✓	✓		✓		✓
<u>Coins and Bills</u>		✓	✓	✓		✓	✓	✓				
<u>Clock with Geared Hands</u>		✓		✓		✓						
<u>Place-Value Discs</u>			✓	✓	✓		✓	✓	✓	✓		
<u>Place-Value Cards</u>			✓		✓		✓					

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<u>Meter and Yard Stick</u>			✓			✓		✓				
<u>Ruler</u>			✓			✓	✓	✓		✓	✓	
<u>Measuring Tape</u>			✓			✓						
<u>Metric Weight Set*</u>			✓			✓						
<u>Customary Weight Set*</u>			✓			✓						
<u>Platform Scale in Grams and Ounces</u>			✓			✓						
<u>Liquid Measuring Set*</u>				✓		✓				✓		
<u>Fraction Circles</u>				✓		✓						
<u>Fraction Bars</u>				✓		✓	✓					
<u>Graph Paper</u>					✓	✓	✓	✓	✓	✓		
<u>Square Tiles*</u>						✓						
<u>Centimeter Cubes*</u>						✓	✓	✓		✓		
<u>Square and Isometric Dot Paper</u>						✓		✓				
<u>Protractor</u>							✓	✓	✓	✓	✓	
<u>Set-Square*</u>							✓	✓			✓	
<u>Compass</u>							✓					✓

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<u>Liter Cube</u>								✓		✓		
<u>X-Y Coordinate Graphs*</u>										✓	✓	✓
Fact Cards for Addition and Subtraction Through 20	✓	✓	✓									
Fact Cards Multiplication and Division for 2 and 3			✓	✓	✓							
Fact Cards Multiplication and Division for 4, 5, and 10				✓	✓							
Fact Cards Multiplication and Division for 6, 7, 8, and 9					✓							
Snap-It-Up Card Game Addition and Subtraction*	✓	✓	✓									
Snap-It-Up Card Game Multiplication*			✓	✓	✓	✓						

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### Additional Materials

Grade	Suggested Manipulatives
K	multilink cubes, various counters, hundred board, simple balance, clock with geared hands
1A	various objects to count, 2 ten-cup egg cartons (remove the extra two cups), 2 sizes of paperclips, playdough or non-drying clay, set of double-nine dominoes, jigsaw puzzle, pattern blocks
1B	paper plates or bowls, cardboard, store cards (made from index cards and coupons/pictures)
2A	drinking straws, toothpicks, 2 sizes of paperclips (Standards Edition only), string, cardboard, plastic zipper bags, dried beans
2B	store cards (made from index cards and coupons/pictures), calendar, stopwatch, paper cups, opaque bag, tangrams (copy from back of Guide)
3B	calendar, paper cups, store cards (made from index cards and coupons/pictures), stopwatch, drinking straws or wire, string
4B	small square mirror, playdough non-drying clay (Standards Edition only)
5A	directional compass (U.S. Edition only)
5B	directional compass (Standards Edition only), drinking straws, paper clips, board game token (Standards Edition only)
6A	board game tokens (Standards Edition only)
6B	string, cardboard, tack

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#### Additional Notes

Manipulatives	Notes
Counters	Small round counters that can also fit on the squares of a hundred board. Two-color counters are used in 4B and 6B, but a coin could be used instead.
Number Cards 0–10, 4 sets	For Games. Can use playing cards (Label Ace with 1 and change a face card to be 0) or use uno cards.
Index Cards	For making various types of number cards, number word cards, and fact cards, as well as for other activities.
10-Sided Dice	For games. Can substitute drawing shuffled cards.
Ten-Frame Cards	Can draw one on paper and use counters.
Geometric Solids	Cube, cylinder, cone, rectangular and triangular prisms, pyramid. Can use toy blocks or objects around the house.
10 by 10 Grid	Can use back of laminated hundred chart.
Kilogram and gram weights	Guide has suggestions for making your own.
Pound and ounce weights	Guide has suggestions for making your own.
Square Tiles	Can cut from paper.
Centimeter Cubes	Can use unit cubes from base-10 set.
Set-Squares	Plastic triangle with a 90 degree angle.
Compass	Standards Edition only for 4A.
X-Y Coordinate Graphs	Can just use regular graph paper.
Card Games	These are optional.