

Virtual Math Manipulatives Resource List

Number & Operations Base 10	Operations & Algebraic Thinking	Number & Operations Fractions	Measurement & Data	Ratios & Proportions	Number System	Expressions & Equations	Geometry
Five/Ten Frame (NCTM)	Number Rack (MLC)	Equivalent Fractions (NCTM)	Coin Box (NCTM)	Pattern Shapes (MLC)	Number Line (MLC)	Algebra Tiles (NCTM)	Shape Tool (NCTM)
Number Pieces (MLC)	Area Model Intro (PhET)	Build A Fraction (PhET)	Math Clock (MLC)	Proportion Playground (PhET)	Area Model Algebra (PhET)	Pan Balance (NCTM)	Angle Sums (NCTM)
Partial Product Finder (MLC)	Factorize (NCTM)	Fraction Tool (MLC)	Geoboard (MLC)	Unit Rates (PhET)	Integer Number Line (PhET)	Cost per Minute (NCTM)	Congruence Theorems (NCTM)
Grouping & Grazing (NCTM)	Quotient Café (NCTM)	Number Line (MLC)	Money Pieces (MLC)	Free Ride (NCTM)	Factorize (NCTM)	Equality Explorer (PhET)	Geometric Solids (NCTM)
Make a Ten (PhET)	Pan Balance (NCTM)	Area Model Decimals (PhET)	Cubes & Volume (NCTM)	Ratio Book of Lessons (GeoGebra)	Adding Integers (GeoGebra)	Expression Exchange (PhET)	Angle Bisector (GeoGebra)
Place Value Discs (Toy Theater)	Interactive Hundred Chart (Classworks)	Mixed Numbers (PhET)	Protractor & Angle Maker (Visnos)	Balancing Act (PhET)	Multiplying Decimals (NCTM)	Graphing Lines (PhET)	Angle Bisector (NCTM)
<p>Websites with Free Virtual Manipulatives:</p> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>National Council of Teachers of Mathematics Illuminations (NCTM)</p> <p>Math Learning Center (MLC)</p> <p>Toy Theater</p> </div> <div style="width: 45%;"> <p>University of Colorado PhET Interactive Simulations (PhET)</p> <p>GeoGebra</p> <p>Desmos</p> </div> </div>							

Created by Tanaga.rodgers@dc.gov, Mathematics Content Specialist

Please note that the manipulatives listed above are available resources, not endorsements by OSSE.

