

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)	Bar Models (Math in Focus)	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)	Number Frames (MLC)	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)			Expression Exchange (PhET)	Coordinates (Math in Focus)
Place Value Chips (Math in Focus)	Counters (Math in Focus)	Mixed Numbers (PhET)	Protractor & Angle Maker (Visnos)			Graphing Lines (PhET)	Angle Bisector (NCTM) Angle Bisector (Geogebra)
<p>Websites with Free Virtual Manipulatives: National Council of Teachers of Mathematics Illuminations (NCTM) Math Learning Center (MLC) University of Colorado PhET Interactive Simulations (PhET) Toy Theatre Geogebra Math in Focus Think Central</p>							

Created by Tanaga.rodgers@dc.gov, Mathematics Content Specialist
Please note that the manipulatives listed above are available resources, not endorsements by OSSE.