WALDEN UNIVERSITY
EDUCATION FOR GOOD™

Virtual Manipulatives

A. K - 12 Virtual Manipulatives are a great way to enhance at-home learning. Simply drag the manipulatives into position to see math concepts come alive! These are always free to you and will continue to be available throughout the 2020/21 school year. https://www.didax.com/math/virtual-manipulatives.html

B. These elementary virtual math manipulatives support teachers to model abstract mathematical concepts for deeper student comprehension. Similar to manipulatives that have been used for decades by teachers in classrooms, these online manipulatives offer numerous advantages while retaining the benefits to the classic manipulatives. https://toytheater.com/category/teacher-tools/virtual-manipulatives/

C. K -12 National Library of Virtual Manipulatives NLVM is a library of uniquely interactive, web based virtual manipulatives or concept tutorials, which are mostly in the form of Java applets. It caters to the needs of manipulatives from grades Pre-K to 12. There is an ever growing emphasis on the use concrete materials, i.e., Manipulatives, for teaching and learning of mathematics in the classroom. But we can't expect parents to buy these to use with their children at home. Students can access these virtual manipulatives at home, and teachers can use these with white boards. http://nlvm.usu.edu/en/nav/vlibrary.html

D. Fraction Calculator This is a link to this single tool, a faction calculator, that the teachers and students will love to use. Teaching and learning operations involving fractions can be very challenging. You can learn to add, subtract, multiply and divide fractions using this single tool. https://www.calculator.net/fraction-calculator.html

E. K – 6 Math playground is a website that hosts a variety of resources for learning of math, including virtual manipulatives. It is free to use, and is user friendly. There are manipulatives to learn about transformations, fractions, percentage, algebra equations, probability, function machines, fraction and decimal balances, along with versatile geo-boards and pattern blocks etc. The Spirograph will hook you for a long time as you can use innumerable equations to draw designs https://www.mathplayground.com/

F. K-12 A plethora of a variety of math manipulatives and calculators. https://www.ct4me.net/math_manipulatives.htm