At home learning with Virtual Manipulatives

<https://www.mathlearningcenter.org/resources/apps>

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| https://www.mathlearningcenter.org/sites/default/files/styles/thumbnail/public/images/nl.png?itok=-NgiRWoe | **Using the Open Numberline app lesson activities to get you started Kindergarten through Grade 6** <https://www.mathlearningcenter.org/sites/default/files/pdfs/LTM_Numberline.pdf> |
| https://www.mathlearningcenter.org/sites/default/files/styles/thumbnail/public/images/np_0.png?itok=ltH0j8FC | **Using Number Pieces app** helps students develop a deeper understanding of place value while building their computation skills with multi-digit numbers. Students use the pieces to represent multi-digit numbers, **regroup**, add, subtract, multiply, and divide.  https://www.mathlearningcenter.org/sites/default/files/styles/app_feature_screenshot/public/images/127-plus-115.PNG?itok=0NrHBeUI |
| https://www.mathlearningcenter.org/sites/default/files/styles/thumbnail/public/images/NR-icon-1024.png?itok=X4XpelqJ | **Using the Math Rack app ~ Rekenrek**  Building on the idea that students must be able to “see” numbers within other numbers (e.g., 7 might be thought of as “5 and 2 more”), Learning to Think Mathematically with the Rekenrek helps students recognize number combinations of 5 and 10, develop a rich sense of numbers between 0 and 20, and build a strong set of intuitive strategies for addition and subtraction with single- and double-digit numbers.  **The beads move in clusters** rather than one by one. **The beads are always anchored ‘white on the right’.** This fantastic tool emphasizes important number relationships: one/more/less, two more/less; part/part/whole decomposing; spatial relationships and benchmarks of **5** & **10.** |
| https://www.mathlearningcenter.org/sites/default/files/styles/thumbnail/public/images/icon-fractions.png?itok=9Ogq1s8v | **Using the fractions app**  The Fractions app lets students use a bar or circle to represent, compare, and perform operations with fractions with denominators from 1 to 100. Choose the fraction model and number of equal parts. Use a color to select specific parts to show a fraction of the whole.  <http://fractiontalks.com/>  <https://mathforlove.com/lesson/fraction-talks/> |
| https://www.mathlearningcenter.org/sites/default/files/styles/thumbnail/public/images/clock-icon-1024.png?itok=klUKKQGF | **Using the Math Clock app**  Telling time, elapsed time  Where does time do? How is a clock face  different from a digital clock? What does it allow us to so/show? So much math here. |
| https://www.mathlearningcenter.org/sites/default/files/styles/thumbnail/public/images/nf.png?itok=3eOk00CI | **Using the Number Frame app**    Number Frames help students structure numbers to 5, 10, 20, and 100. Students use the frames to count, represent, compare, and compute with numbers in a particular range. |
| https://www.mathlearningcenter.org/sites/default/files/styles/thumbnail/public/images/gb_thumb_0.png?itok=F4X9gW4Q | **Using the Geoboard app**  The Geoboard app is a tool for inviting & exploring a variety of mathematical topics introduced in the elementary and middle grades.  Learners stretch bands around the pegs to:  ~ form line segments and polygons  ~ make discoveries about perimeter, area, angles, congruence, fractions, and more….  Can you make a: triangle, right triangle, isosceles right triangle,a shape with no sides   * How many triangles fit in a square? * How many shapes can you make with only a square and a triangle? |
| **At home activities of the day** | <https://sites.google.com/mathlearningcenter.org/math-at-home/activities-of-the-day#h.hze4hc8cf2b5> |