

Math

Some of the best resources for math are the FCAT practice tests which can be found at <http://fcat.fldoe.org> . These practice tests are great curriculum guides; providing concrete examples of the types of math problems students must solve at each FCAT grade level. Formula reference pages are provide for grades six and up.

Instructional Support

FASTT Math . software that targets the development of fluency in addition, subtraction, multiplication, and division . <http://www.tomsnyder.com>

Go Solve . uses graphic organizers to help students plan for solving word problems in addition, subtraction, multiplication, and division .
<http://www.tomsnyder.com>

InspireData (Win . Mac) . applies proven strategies of visual learning to data literacy; supports strong critical thinking . <http://www.inspiration.com>

Calculators

Big Calculator (Win) . free basic calculator that can be adjusted for really big buttons . <http://www.sensorysoftware.com/bigcalculator.html>

Metacalc (Internet) . free basic calculator that can be adjusted for large buttons .
<http://www.metacalc.com/>

KoalaCalc (MacOSX) . free simple and scientific mode calculator .
<http://www.macropodsoftware.com/koalacalc/index.html>

Calc Thingy (MacOSX) . simple interface but fairly powerful calculator .
<http://liquidbinary.com/software/>

MoffSoft FreeCalc (Win) . great basic calculator with adjustable size and color schemes along with a simulated paper tape display .
<http://www.moffsoft.com/freecalc.htm>

Virtual Manipulatives

Virtual rulers/protractor

<http://www.desktopruler.com/products-dr.htm>

<http://www.svet-soft.com/ruler.shtml>

<http://www.spadixbd.com/freetools/>

<http://www.downloadjunction.com/product/store/15482/index.html>

Classroom Suite (IntelliMathics) . includes animation, manipulatives, text-to-speech, and multimedia to demonstrate basic math concepts .
<http://www.intellitools.com>

Virtual Geoboards

<http://nrich.maths.org/content/id/2883/circleAngles.swf>

<http://illuminations.nctm.org/LessonDetail.aspx?ID=L554>

Visual Fractions . includes online tools for learning fractions, PowerPoints to help teach fractions, downloadable worksheets, and downloadable software for

creating circle fractions . <http://www.visualfractions.com/>

Illuminations . a collection of online, standard-based virtual manipulatives and lessons to make math come alive in the classroom and at home .
<http://illuminations.nctm.org/>

Crickweb . a collection of online interactive math and geometry activities .
<http://www.crickweb.co.uk/ks2numeracy.html>

BlockCad . a free Win virtual Lego land .
<http://web.telia.com/~u16122508/proglego.htm>

Lego Factory . free online virtual Lego land . <http://factory.lego.com/>

NLVM . collection of online manipulatives and visualizations for all grade levels .
<http://nlvm.usu.edu/en/nav/vlibrary.html>

Visualizations / Simulations

Virtual Pencil . simulated "paper and pencil" arithmetic and algebra software for students who need to use a computer to write with .
<http://www.hentermath.com/>

Broken Calculator . online simulation of a broken calculator. Students must think through how to solve problems using the keys available .
http://seeingmath.concord.org/broken_calculator

Algebra Tiles . model and solve equations .
http://go.hrw.com/hrw.nd/gohrw_rls1/pKeywordResults?keyword=Mb1+Tools

ExploreLearning . extensive online set of mathematic simulations and visualizations . <http://www.explorelarning.com>

SELECT Math . aligns virtual manipulatives and visualizations with standards .
<http://boston.k12.ma.us/teach/technology/select/index.html>

GeoGebra . virtual tools for geometry, algebra, and calculus .
<http://www.geogebra.org/cms/>

Algebrus (Win) . a comprehensive visualization tool for higher mathematics. the trial version has some features disabled .
<http://www.astrise.com/software/algebrus>

Eduscapes . includes links to a variety of simulations and visualizations .
<http://eduscapes.com/sessions/smartboard>

Homework Helpers

GraphTablet (Win) . free program for creating custom graph paper .
<http://www.graphtablet.com/graphtablet.html>

Free Online Graph Paper . free online PDFs of various graph papers. includes an online generator so you can create customized graph paper and print it out .
<http://incompetech.com/graphpaper/>

A Math Dictionary for Kids . great interactive math examples .
<http://www.teachers.ash.org.au/jearth/maths/dictionary.html>

Translating Word Problems . keywords to help with word problem translation .
<http://www.purplemath.com/modules/translat.htm>

WebMath . online tool that helps students solve math problems, showing step-by-step solutions. general math through calculus . www.webmath.com

Algebra Help . online tool that helps students solve math problems. can be read aloud by screen readers . <http://www.algebrahelp.com/calculators>

GoMath . online tool that helps students solve math problems. includes algebra and geometry calculators . <http://www.gomath.com/>

Hot Math . provides online help and guidance for math problems in most text books . <http://hotmath.com/>

Conversion Tools . basic online collection of conversion tools .
<http://www.convertit.com>

Algebra Solver . interactive, algebraic problem solver and graphing tool .
<http://www.algebrasolver.com/index.shtml>

Microsoft Math (Win) . all-in-one math homework solution. solve equations, graph functions, use a fully-functional graphing calculator, solve triangles, and convert standard units . <http://www.microsoft.com/math/default.aspx>

WebGraphing . online equation-graphing environment, from simple to advanced calculations . <http://www.webgraphing.com/>

Equation Wizard (Win) . algebraic equation solver software. trial version good for 30 equations . <http://www.equationwizard.com/>