

Mathematics Resources: Resources to support learning

Instructional Videos and Practice: <http://www.khanacademy.org/>

This resource has many math videos listed by topic. Also, there is a tab at the top “DO Exercises” that allows your child to login to their google account (given to them at school) and work through practice problems.

Interactive activities: <http://nlvm.usu.edu/>

The National Library of Virtual Manipulatives features a variety of interactive activities by strands: Number & Operations, Algebra, Geometry, Measurement, and Data Analysis & Probability.

Algebra and Statistics Resource: <http://www.hippocampus.org/?select-textbook=4>

This resource is aligned with our Linear Algebra/Algebra 1 textbook. Select the page numbers or lesson title and it will guide you and/or your child through learning activities including instruction and practice.

K-8 Practice: <http://www.aaamath.com/>

This site features interactive math lessons for grades K-8. Unlimited practice with immediate feedback is available on each topic which allows thorough mastery of the concepts.

Minnesota Comprehensive Assessment: Mathematics Preparation

Item Samplers:

http://education.state.mn.us/MDE/Accountability_Programs/Assessment_and_Testing/Assessments/MCA/Samplers/index.html

This link will direct you to the Minnesota Department of Education website where the paper version of the test item samplers for grades 6, 7, 8, and 11 along with sample answer forms and the solutions to each problem. There is also a link on the left-hand side of the page under Related Links titled “PearsonAccess: Item Samplers”. This will direct you to a site where you can download an online version of the practice test in the same format as those that will be given to our grade 6, 7 & 8 students as well as a sample GRAD Math test.

Calculator Practice:

http://perspective.pearsonaccess.com/perspective/appmanager/mn/educator? nfpb=true& pageLabel=edu_lr_tools_page

This link will direct you to the online calculators that will be used on the MCA-III test. There is a four-function calculator for grades 3-6 and a scientific calculator for grades 7-8.

Learning Activities:

http://perspective.pearsonaccess.com/perspective/appmanager/mn/family/? nfpb=true& pageLabel=par_lr_overview_page

- Enter the student’s specific learning locator to get practice on the specific skills on which they did not meet or only partially met standards.
- Select the specific grade, browse library, MCA-III (grades 6-8) or MCA-II (grade 11) math, the strand (*Number & Operation, Algebra, Geometry & Measurement, Data Analysis & Probability*) and then the specific learning target resource.

Sample MCA-II tests: <http://www.anoka.k12.mn.us/education/components/scrapbook/default.php?sectiondetailid=155504>

Sample tests provided by the MN Department of Education and Pioneer Press Newspapers in Education. New practice tests on <http://www.ppnie.com/> will be updated in March 2011.