Online Math Resources for Students
Useful Online Resources Available at No Cost
This resource list was prepared by the
Polk Bros. Foundation Center for Urban Education

Counting/Number Activity Sites

Bobbie Bear
http://illuminations.nctm.org/Activity.aspx?id=3540
Use **counting s**trategies to make as many outfits for Bobbie Bear as you can, using different colored shirts and pants.

Chairs
http://illuminations.nctm.org/Activity.aspx?id=3542
Explore the **number** of chairs needed when tables are arranged in a restaurant.

Electronic Abacus
http://illuminations.nctm.org/Activity.aspx?id=4131
Explore an abacus model for **representing numbers and performing addition**.

Operations Activity Sites

Around the World in 80 Seconds
http://teacher.scholastic.com/activities/adventure/math2.htm
Help Maggie fly around the world. Pick **addition, subtraction, multiplication, division** or a mix of all four. Each question answered correctly gets Maggie to her next stop.

Dude's Dilemma
http://teacher.scholastic.com/activities/adventure/math1.htm
Help rescue Maggie's dog, who is trapped on a rooftop! You can rescue him by answering a few math questions. Pick **addition, subtraction, multiplication, division** or a mix of all four.

Primary Krypto
http://illuminations.nctm.org/Activity.aspx?id=3569
Use five number cards and **arithmetic operations** to create the "target" number in this fun math game.

Factor Game
http://illuminations.nctm.org/Activity.aspx?id=4134
A game that exercises your **factoring** ability. Test your skills against a human or the computer.

Factorize
http://illuminations.nctm.org/Activity.aspx?id=3511
Divide numbers into two factors, and build arrays to represent each **factorization**.

Product Game
http://illuminations.nctm.org/Activity.aspx?id=4213
Exercise your skill with **factors and multiples**.

Determine the **Missing Operation** Study Jams
http://www.scholastic.com/teachers/activity/determine-missing-operation-studyjams-activity

Times Table
http://illuminations.nctm.org/Activity.aspx?id=4196
Practice **multiplying single-digit numbers** with this interactive multiplication table.

Order of Operations with Integers
http://www.waybuilder.net/sweethaven/Math/pre-algebra/PreAlg01/ee/IntegerPrec01_EE.asp
This is a set of endless drills that build confidence with solving integer operations that involve combinations of addition, subtraction, multiplication, and division. There are four levels of difficulty.

Flashcards for Basic Arithmetic
http://free-ed.net/sweethaven/Math/arithmetic/arithDrill02.asp
Flashcards for all **operations**, organized by level.

Periods of **Place Values**
http://www.waybuilder.net/sweethaven/Math/pre-algebra/drills/wholeNums01.asp

Operations with **Signed Numbers**
http://www.free-ed.net/sweethaven/Math/arithmetic/SignedValues01_EE.asp
Use these "flash cards" to work with an endless list of signed-number problems--addition, subtraction, multiplication, and division of both positive and negative numbers.

Deep Sea Duel
http://illuminations.nctm.org/Activity.aspx?id=3508
Play a strategy game that requires you to select cards with a specified **sum** before your opponent.

Operations with **Whole Numbers**
http://free-ed.net/sweethaven/math/pre-algebra/prealg01/ee/wholenuml02_ee.asp?iNum=4&dLvl=1
A complete set of activities featuring arithmetic operations with whole numbers. Activities can be assigned according to level of difficulty as well as special features such as division with/without remainders.

Math Maven's Mysteries
http://teacher.scholastic.com/maven/

Math Hunt
http://teacher.scholastic.com/mathhunt/

Geometry Activity Sites

Turtle Pond
http://illuminations.nctm.org/Activity.aspx?id=3534
Estimate **length and angle measure** while guiding a turtle to a pond.

Patch Tool
http://illuminations.nctm.org/Activity.aspx?id=3577
Design a **pattern using geometric shapes.**

Shape Cutter
http://illuminations.nctm.org/Activity.aspx?id=4206
Draw and cut shapes, then use slides, turns, and flips to move the cut pieces around.

Shape Sorter
http://illuminations.nctm.org/Activity.aspx?id=3581
Sort shapes according to their properties using Venn diagrams.

Shape Tool
http://illuminations.nctm.org/Activity.aspx?id=3587
Draw, color, paste, slice, rotate, reflect, expand, and contract various shapes.