About.com: Mathematics

Post Christmas Sales? Know Your Percentage
Shortly, I'll be heading out for some post Christmas sale bargain shopping and there's no better time for doing mental math related to percentages. Finding percentage? Let me count the... Read more

Annenberg Media

-- International Holocaust Remembrance Day (January 27)
  After viewing Teaching The Children of Willesden Lane, students will gain a personal connection to the implications of the Nazi Holocaust through the lessons developed by Facing History and Ourselves. http://www.learner.org/series/cowl/ Resources include classroom videos, historical notes, a downloadable guide, musical selections, and more.


  History professor Eugen Weber, host of The Western Tradition, considers the role of nationalism and ideology in the genocide of World War II in program 48, "The Second World War." For more background on the subject, see the preceding program, "The First World War and the Rise of Fascism." http://www.learner.org/resources/series58.html

  In Death: A Personal Understanding program 3, "Facing Mortality," Ibi Gabori, a woman who lost her family in the Holocaust, recounts her own experience in the Auschwitz death camp. To view the segment about Ms. Gabori, forward to 10 minutes into the program. http://www.learner.org/resources/series108.html

  Grades 6-8
  "Finding Your Voice," program 12 of Connecting with the Arts: A Teaching Practices Library, 6-8, features an 8th-grade interdisciplinary visual art unit on the theme of genocide, ethnic cleansing, and the Holocaust. http://www.learner.org/libraries/connectarts68/12_voice/ Click on "Additional Resources" for links to the lesson outline and an overview in PDF format.

Consider a big numbers math connection via a reading of the book called “Six Million Paper Clips: The Making Of A Children’s Holocaust Memorial.” If you would like a copy then please send me a quick note at Paula.Thompson@yesnet.yk.ca.
Children with autism learn, have fun with iPad apps: The writer of this blog post lists 10 apps for iPod Touch or iPad devices that may be fun or educational for children with autism. Some of the suggestions such as "Tappy Tune" and "Splish Splash Inn" help children with pre-reading and pre-math skills, while others such as "My First Tangrams," "Hand Drums" and "Chalkboard" feature puzzles, music and art. BlogHer.com

Most effective math programs emphasize cooperative learning
When many students think of math, they think of a lonely and frustrating struggle to understand material or solve a problem. New research shows that some of the most effective math programs reduce the "lonely" part of that struggle....read more

Math Professional Development (Recorded) Webinars
#W7210--How to create a math classroom that motivates and engages students with Marcy Cook
#W5509--What the research says about how best to work with your low-achieving K-8 math students to get results
#W8510--How to teach more ambitious math K-8

Education World

Box Cars and One-Eyed Jacks: Math Games With Joanne and Jane
A new game each week from the masters of math games, Joanne Currah and Jane Felling.

From the Learning Machine
If you're looking for games and other resources to help teach and reinforce math, reading, and science skills, our Math Machine, Reading Machine, and Science Machine should be your first stops. The Math Machine
More than 50 online games that help teach and reinforce math skills.
Best Books for Teaching About...
Each week, Education World presents our Editors' Choices for the best books for teaching about popular classroom themes. Check out our choices and add your own recommendations to the Readers' Voices section of this week's themed booklists: Best Books for Teaching About... the Alphabet, April Fools!, Communities, Friends, Games, Grammar, Holidays, the Human Body, Manners, Martin Luther King Jr., Money, the 100th Day of School, President's Day, the Senses, Spelling, Words, Writing Stories, and dozens of other themes.

Math Fact Work Sheets
Hundreds of work sheets offer plenty of practice for students. (Grades K-6)

Sudoku Puzzles
These popular puzzles build critical thinking skills. Thirty-six puzzles in all. (Grades 3-12)

It All Adds Up Math Puzzles
Challenge students to put their addition skills to work. (Grades 3-6)

Math Cross Puzzles
Build a wide variety of math skills with these math "crosswords." (Grades 3-12)

Math Fun: Volume 3

Math Templates Multiplication tables, 3-D shapes, bank checks, and more.

Plinkoball Helps Students Exercise Math Skills
Principal Sam Slarskey came up with Plinkoball, a game that combines fitness and math calculations.

Games Add Elements of Fun, Much More, to Math Learning

Math @ Home

Math Cats Wendy Petti provides practical advice, creative ideas, and fun activities.
* Spreadsheets
* Financial Literacy
**Math Mnemonics** Memory aids for math formulas, concepts, operations, and more.
* Mean, Median, and Mode
* Factoring Binomials

**Go Figure** Math-based puzzles, problems, and brainteasers.
* Measurement Mysteries
* Sweet Fractions

**Interactivities** Collaborative projects, virtual field trips, interactive games, and more.

**Futures Channel**

**Testing Baseball & Softball Bats**
Take your students inside Easton Sports’ research & development lab to meet engineers and technicians who are using math, science and technology to design and test high-performance baseball and softball bats.

Whether you want **real-world examples** of measurement, statistics, scientific inquiry or the relationship between force and motion, or you’d like an up-close look at sports-related careers, this movie and its accompanying classroom activities are a real home run! Watch the movie and download the activities here: [http://www.thefutureschannel.com/dockets/realworld/testing_bats/](http://www.thefutureschannel.com/dockets/realworld/testing_bats/)

**Also Playing**


Innovative New Tools for the Classroom
Defined STEM is an exciting resource that incorporates the Futures Channel's videos along with additional educational resources such as supplemental lesson plans, interactive simulations and performance-based learning tasks to engage students in Science, Technology, Engineering and Mathematics (STEM). Check out this sample module for Testing Bats that includes a great real world simulation: http://stem.definedlearning.com/demo.cfm?id=5

These resources coupled with the Futures Channel video content allow a teacher to bring relevance into the classroom, while providing the understanding and application of concepts that are the cornerstone of the STEM education movement.

Find out more about the Defined STEM: http://stem.definedlearning.com/

Cyberchase Math Match

Ready for a brain booster from your favorite math show? Just in time for the holidays, we're thrilled to announce the release of Cyberchase Math Match, Cyberchase's first app for iPhone and iPod Touch!

Cyberchase Math Match is a fun way for kids 8 years and older to test their math mettle. Developed in partnership with Lima Sky, the developer behind the hit iPhone app Doodle Jump, the game tests young players' basic math facts.
**Cyberchase Math Match** is available now on the App Store for $0.99. Have you played it? Rate and review it now!

The game is optimized for the iPhone 4 Retina Display and iPod Touch and is also playable on the iPad. Periodic updates will unveil more secret images and math problems.

**PBS Teachers**

Curious George: Pattern Play Lesson Plan: Grade Range: PreK-2

Use simple objects found in school or at home to create different patterns to build basic math skills.

http://www.pbs.org/teachers/connect/resources/1408/preview/

Jazz: Jazz and Math: Improvisation Permutations Lesson Plan: Grade Range: 9-12

Learn about musical improvisation and then try to calculate the number of possible variations that exist for a jazz or blues rhythm.

http://www.pbs.org/teachers/connect/resources/3510/preview/

**TeachByMagic.com**

In the spirit of counting down to the New Year, we have a magical math puzzle for you and your students.

4 = 11

Can you make this a true statement by adding one single line? ...No, it’s not a line through the equals sign!

Watch this video and Teach By Magic presenter, Dal Sanders, will show you how! If you received this from a friend and don't already have a free Teach By Magic account, you can click here to create one now!

**TeachHUB.com**

Top 10 Most Popular Education Articles of 2010

**Wikispaces.com**

Simple, digestible notifications? Yes, please!
If you're monitoring dozens of active wikis, pages, and files, you'll be happy to hear that you have a new option for getting all your notifications in a single daily email. Find out more.

WolframAlpha

Check out http://developer.wolframalpha.com/widgetbuilder/ to build your own widget at WolframAlpha. There is a widget builder demo too.

Yukon Education

For the archived snippets, go to http://yukon-education-mathematics.wikispaces.com/#Friday%20Math%20Snippets.

- To include an item in the snippet, e-mail Paula.Thompson@yesnet.yk.ca @ any time.

For the archived monthly newsletters, go to http://yukon-education-mathematics.wikispaces.com/Yukon+Education+Mathematics+Newsletters.

- To include an item in the monthly newsletter, e-mail Paula.Thompson@yesnet.yk.ca @ any time.

For the archived YTA (math) notes, go to http://yukon-education-mathematics.wikispaces.com/YTA+Math+Notes.

- To include an item in the YTA (math) notes, e-mail Paula.Thompson@yesnet.yk.ca @ any time.

Check out the Yukon Education wikis. You do not have to be a member of the wiki to see what is there and to download resources that are of interest to you. Consider joining the wiki to begin adding your own content and to take part in discussions. Here they are:

- www.yukon-education-mathematics.wikispaces.com
- www.yukon-ed-mathematics-pd.wikispaces.com
- www.yukon-mathematics-assessment.wikispaces.com
- www.yukon-math-differentiated-instruction.wikispaces.com
- www.yukon-ed-show-me-your-math.wikispaces.com
- www.yukon-ed-virtual-math-arcade.wikispaces.com
- www.yukon-ed-math-kindergarten.wikispaces.com
- www.yukon-education-math-grade-1.wikispaces.com
- www.yukon-education-math-grade-2.wikispaces.com
- www.yukon-education-math-grade-3.wikispaces.com
- www.yukon-education-math-grade-4.wikispaces.com
- www.yukon-education-math-grade-5.wikispaces.com
- www.yukon-education-math-grade-6.wikispaces.com
Consider following me on Twitter or Facebook! (pkathompson or Paula Thompson)

Check out the Yukon Education Mathematics blog @ http://yukon-education-mathematics-blog.blogspot.com/
Math: Sports Statistics Lesson

Grade: K-2 | Subject: Math

Sport scores give purpose to word problems in this record-breaking pop culture student activity.

Student Rating: ★★★★★

Teacher Review:
The topics in the Pop Culture printables activities cover everything my students love!

You Might Also Like:

Math: Measuring Height and Weight Activity

Along with this lesson in nutrition, students will calculate the difference in height and weight to determine health.

Student Rating: ★★★★★

Teacher Review:
It's always convenient to find an activity for time fillers, extra credit or when I want to invigorate my classroom activities.

Math: Addition and Subtraction Assignment

Junior bee-keepers need to find the differences in the "how many" hive.

Student Rating: ★★★★★

Teacher Review:
The activity is so fun, your students will learn without even realizing it!

Math: Budget Word Problems for High School Musical

With the help of the High School Musical crew, your class will practice managing their movie money.

Student Rating: ★★★★★

Teacher Review:
I have never seen my students so excited to get their daily activities!

Math: The Donut Run

Students will be learning by the dozen with these 12-centric problems.

Student Rating: ★★★★★

Teacher Review:
The news stories are fun to read, whether I'm using the lesson that day or not.
not."

~Suzie Lorne