



The Learning Center at WPSD

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Jan 2010 - Mar 2010
Volume 11, Issue 3
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MATH ROCKS!

Rock and roll into the Learning Center for the third theme, "Math Rocks!" Here, students have the opportunity to show off their math skills. Math is EVERYWHERE and it sure is all over every inch of the Learning Center.

As you enter the Learning Center, you can play math games and activities related to time and money. Set the time on the giant floor clock or check the time chart to see how much time has elapsed. Pay your bills with our real cash register or make changes on the money chart.



Measure the distance it takes to walk to the next section of the Learning Center. "Measurement." Compare metric and standard measuring systems, using our giant measurement mat. Do you know how many quarts are in a gallon? Check out our Measure Mat and find out! Also, read "Lulu's Lemonade" and learn about liquid measure or play "Bull's Eye Math"!



In our next section, "Number Sense", play a variety of math games and the giant, "Math Marks the Spot" floor game. Brush up on your fractions with Fraction Tic Tac Toe and learn about place value and decimals with a variety of charts. Practice addition with the Number Bugs and practice all of your operations with our giant soft dice!



Throughout the Learning Center, a problem solving scavenger hunt is scattered. Answer the questions and win a cool math prize! You can play tons of fun math games and activities in the Learning Center and you can learn at the same time! Math Rocks!



Riddle #1

A basket contains five apples. How can you divide the five apples among 5 children and have one apple left in the basket?

From the Librarian:

Everyone uses math in their daily life. Do you count money? Do you check your watch? Do you use measuring cups and spoons? Do you measure yourself by height and weight? Do you check the weather forecast?

You think Math is too hard? Why not check out the Learning Center? We have everything for everyone of all ages! The Learning Center is broken down into four different areas: Problem Solving, Number Sense, Measurements, and Time/Money. They have so many math games that anyone can play. You will have so much fun that you will forget that you are learning. So come on down during or after school! Also, don't forget to check the hallway windows for famous math quotes and the front display for math jokes!



Many thanks to Erin "Airza" Bosley and Erin McNeil-Mascaro for their wonderful planning for this theme, "Math Rocks!" Stop by the Learning Center, grab an educational math game, and ENJOY learning!



Math Games in the Learning Center



Advanced Fraction Zone Bingo

Teaches up to twelfths or equivalencies and renaming fractions in lowest terms.

Auntie Pasta's Fraction Game

This fraction game is wonderful for pizza lovers! A great way to collect different sized slices to fill up the pizza pans.



Dino Math Tracks Place-Value Game

This game is a great tool for anyone who wants to play and learn counting, addition, subtraction, and place value skills in the ones, tens, hundreds, and thousands.

Head Full of Numbers Game: Shake, Roll and Create Math Equations

This game is great fun for all kids and adults who would enjoy this fast-paced numbers game. Using six dice, players can use simple addition or subtraction, or multiplication and division.



Time Bingo: A Fun Way to Practice Telling Time

Spin the wheel, call out the time, and let the players find it on their cards using two different activities: hours and half-hours range, and five minutes and minute range.

Timing It Right Game

Tick, tock, tick, tock...ding! Helps build skills in telling digital and analog time on a day's activities, from waking up and getting ready for the day to winding down and going to bed.



Totally Tut Math Operations Game

Requires critical thinking while using addition, subtraction, multiplication, and division skills. The purpose of this game is to fill the pyramid with triangle pieces by creating accurate math problems, using addition, subtraction, multiplication, and division.



Online Math Games

www.playkidsgames.com/mathgames.htm
www.funbrain.com/funbrain/cashreg
www.apples4theteacher.com/clocks.htm
www.gamesquarium.com/fractions.html
www.mathplayground.com/Math_Millionaire.htm

Riddle #2

Three people check into a hotel and pay the manager \$30.00 for the room. The manager realizes the room costs \$25.00 so gives the bellhop \$5.00 to return to the three men.

The bellhop decides it is difficult to divide \$5.00 between three people. The bellhop keeps \$2.00, and gives each of the three people \$1.00.

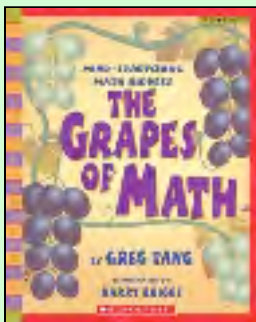
Now each person has paid \$9 instead of \$10. $\$9.00 \times 3.00 = \27.00 , and the bellhop has \$2 = \$29.00

Where is the missing dollar?

Riddle #3

What mathematical symbol can be placed between 5 and 9, to get a number greater than 5 and smaller than 9.

Terrific Riddle Books to Check Out!!



Stienecker, David. *Fractions*. New York, NY: Scholastic, 1996.

Tang, Greg. *The Grapes of Math: Mind-Stretching Math Riddles*. New York, NY: Scholastic, 2004. Print.

Tang, Greg. *Math for All Seasons*. New York, NY: Scholastic, 2005. Print.

Math Books @ your library

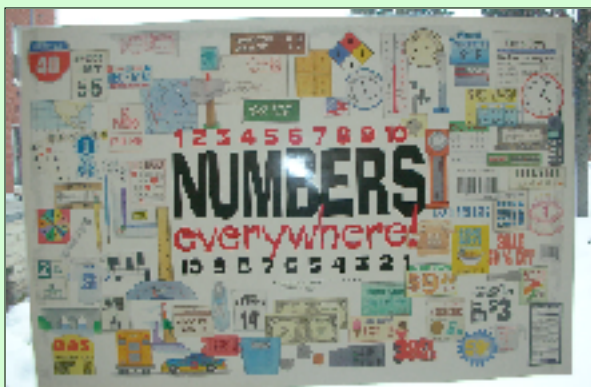
Counting Books

Counting Crocodiles.....Judy Sierra
Each Orange had 8 Slices.....Paul Giganti, Jr.
Grandma's Button Box.....Linda Williams Aber
Monster Math.....Grace Maccarone
Only One.....Marc Harshman
Seven SPunky Monkeys.....Jackie French Koller
Ten Sly Piranhas.....William Wise



A Cloak for the Dreamer.....Aileen Friedman
Amanda Bean's Amazing Dream.....Cindy Neuschwander
Bad Luck Brad.....Gail Herman
Clean-Sweep Campers.....Lucille Recht Penner
How Much is a Million?.....David M. Schwartz
If You Hopped Like a Frog.....David M. Schwartz
Math Appeal: Mind-Stretching Math Riddles.....Greg Tang
Sea Squares.....Joy Hulme
Spaghetti and Meatballs for All!.....Marilyn Burns
The Grapes of Math.....Greg Tang
X Marks the Spot!.....Lucille Recht Penner
It's About Time, Max!.....Kitty Richards
Play Date.....Rosa Santos
Tightwad Tod.....Daphne Skinner

Riddle #4



Can you arrange 9 numerals 1,2,3,4,5,6,7,8, and 9 - (using each numeral only once) above and below a division line to create a fraction equaling to $\frac{1}{3}$ (one-third)?

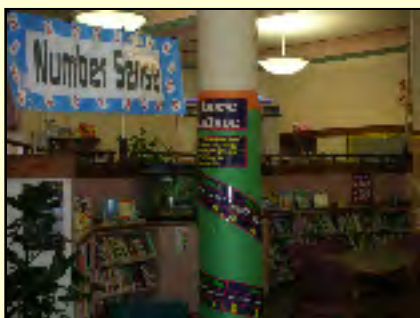
Snapshots @ your library



Problem Solving



Measurements



Number Sense



Time & Money

Riddles - Answers

Riddle #1: Give one apple to each of 4 children and give the apple and the basket to the fifth child.

Riddle #2: You have to think Manager \$25.00, people \$3.00 and bellhop \$2.00=\$30.00.

Riddle #3: Decimal point 5.9 (You can't use +, -, X, or division symbols.)

Riddle #4: $5832/17496 = 1/3$