



Marvelous Mathematicians in the Making

Presented by:

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Teacher "Trashure"

Cheap and Memorable Math Manipulatives

<ul style="list-style-type: none"> Toothpicks Q-tips (variety of colors) Paper clips (variety of sizes and colors) Beans Straws Popsicle sticks Paper Plates Mini-spoons Shower curtain Fly swatters Baby food jars 	<ul style="list-style-type: none"> Playing cards Lost Change Jar Old garden gloves Socks Film canisters Plastic Easter eggs/jelly beans Egg timers Play-doh Cookie cutters Laminating film Twisty ties or pipe cleaners
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Must Have Manipulatives

Must Have	Love to Have
<ul style="list-style-type: none"> • Unifix cubes • Pattern Blocks • Counters • Teaching Judy Clock • Double pan balance • Solid Shape Set 	<ul style="list-style-type: none"> • Class set of Judy clocks • Tangrams • Geoboards • Multilinks • Base Ten Blocks



Math Lesson Format

Math Meeting 15-20 Minutes

Math Journals 5-10 Minutes (Can be done before or after math meeting!)

Speed Drill 3-5 Minutes

Math Workshop 30 Minutes:

- Independent Practice
- Math Centers
- Small group instruction

Math Journals

What is a math journal?

A composition book or spiral notebook used for writing and illustrating about math.

Why should I use it?

- Connect reading and writing with math
- Encourage critical thinking skills
- Challenge students to be problem solvers
- Explore different strategies for solving problems
- Assess students thinking and learning about math

Calendar Wall:

Monthly Calendar	Add calendar piece. Say the date. Talk about pattern of calendar pieces. Ask calendar questions such as: How many days are in this month? What date is the 3 rd Wednesday?
Days of the Week	Flip over to show the days for yesterday, today, and tomorrow. Sing a days of the week song.
Yearly Place Value	Add a popsicle stick to show how many days we have been in school. On the 10 th day bundle the sticks and move them to the tens pocket. On the 100 th day, bundle the bundles of 10 and move them to the hundreds pocket.
Hundred's Pocket Chart	Add numeral to show how many days we have been in school. Add coins to pocket and talk about different ways to make a coin combination that matches that number.
Weather Wheel and Graph Daily Thermometer	Adjust the wheel to show the daily weather. Graph the weather conditions. Adjust thermometer to show daily temperature.
Daily Piggy Bank	Use the number of today's date. Use coins to show the same number. Example: March 12 How can we show 12 cents in our piggy bank? 1 dime and 2 pennies Do the same with dollar bills. 1 ten dollar bill and 2 dollars
What time is it?	Put a time on a digital and analog clock.
Where do we live?	Use a map to show the 7 continents. Review them by saying a poem. Ask students to name the continent, country, state, and city we live in. Share and learn state facts and songs.
Who is our president?	Post a picture of the president and the white house.
Months of the Year	Post months of the year. Chant them. Ask students to name the 4 th , 12 th , 3 rd month etc. Name months that have 30 days, 31 days. Talk about how many days are in a year and a leap year.
Code Date	Write the date in code form. Month/Date/Year
Time Line	Have students dictate something they learned or enjoyed doing. Write it on a die-cut and staple it on the wall to record the events of the year.
Daily Attendance	Have a helper count the boys and then the girls. Show this information on the board. Write a number sentence to show how many students are present.
Daily Schedule	Post near the calendar board and review during morning meeting.
Job Board	Post near calendar board. Rotate jobs on a weekly basis.
Monthly Birthdays	Post birthdays for the month near the months of the year.
Countdown Chart	Use the countdown chart to countdown to birthdays and special events.
Tooth Graph	Graph missing teeth.
Estimation Jar	Laminate a jar shape. Allow students to write estimates on a post it note and post it on the board.
Lunch Menu	Post a daily lunch count chart and the menu for students to read.

🍏 Calendar Binders 🍏

Use calendar binders to reinforce and assess student learning of calendar and math concepts. Each day students will add a number for how many days we have been in school, add the date, graph the weather, and count how many days we have been in school.

Materials needed:

- 1" binder or 3 prong folder
- Baseball card holder per student
- 2 sets of number cards numbered 0-9 and an extra 1, hundreds, tens, and ones cards
- Stickers
- Monthly Calendars
- Monthly Weather Graphs
- Hundreds' Chart
- Tooth and Birthday Graphs
- Seasonal Songs or Poems



Twelve Inches in a Foot

by Judy Howe

Inch, inch, so small,
Can you measure how tall?
Foot, foot, my guide,
Can you measure how wide?
Inch, inch, foot, foot.
Inch, foot, inch, foot.
Stop! Kaput!
Twelve inches in a foot.

Money Poem

Penny, penny, easy spent,
Copper brown and worth one cent.
Nickel, nickel, thick and fat,
You're worth 5. I know that.
Dime, dime, little and thin,
I remember you're worth 10.
Quarter, quarter, big and bold,
You're worth 25, I am told.
Half a dollar, half a dollar,
Giant size.
50 cents to buy some fries.
Dollar, dollar, green and long,
With 100 cents you can't go wrong.

Clock Song

(tune Wheels on the Bus)

The hands on the clock go round and round,
Round and round, round and round.
The hands on the clock go round and round.
To tell us the time.

The short hand on the clock
Goes from number to number,
Number to number, number to number.
The short hand on the clock
Goes from number to number.
To tell us the time.

The long hand on the clock
Goes around by fives,
Around by fives, around by fives.
The long hand on the clock
Goes around by fives.
To tell us the minutes.

Baloney Belly Billy

by Shel Silverstein

Baloney Belly Billy
swallows anything for cash.
If you offer him a penny,
he'll chew paper from the trash.
He'll eat guppies for a nickel,
for a dime, he'll eat a bug,
and a quarter will convince him
that he ought to eat a slug.
I have seen him eat a button.
I have seen him eat a bee.
I have seen him eat three beetles
for a half dollar fee.
For a dollar he will gladly
eat a lizard off a fence,
just imagine what he'd swallow
for another fifty cents.

Smart

By Shel Silverstein

My dad have me one dollar bill
"Cause I'm his smartest son,
And I swapped it for two shiny quarters
"Cause two is more than one!

And then I took the quarters
and traded them to Lou
For three dimes--I guess he don't know
That three is more than two!

Just then, along came old blind Bates
And just 'cause he can't see
He gave me four nickels for my three dimes,
And four is more than three!

And I took the nickels to Hiram Coombs

Down at the seed-feed store,
And the fool gave me five pennies for them,
And five is more than four!

And then I went and showed my dad,
And he got red in the cheeks
And closed his eyes and shook his head-
Too proud of me to speak!

The Baby Kangaroo

Poems to Count On by Sandra Liatsos

"My baby is a bright one,"
said the mother kangaroo.
"With money in my pocket,
he knows just what to do.
He counts the nickels all by fives.
The dimes he counts by ten.
And if they drop, he quickly
picks them up and counts again.
Each time I give my son a coin
he always hollers 'thanks!'
And when he's got a lot of them,
He puts them in his bank!"

O'Clock

By Judy Howe

One, two, three o'clock
Knock, knock, knock.
Four, five, six o'clock
Hop, hop, hop.
Seven, eight, nine o'clock
Pop, pop, pop.
Ten, eleven, twelve o'clock
Stop, stop, stop.
Show me a clock and I'll let you see
Telling time is easy for me.

Zero the Hero

(Tune: She'll be Coming Round the Mountain)
When you see a zero on the number line.
Better watch out for a symbol or a sign
From our friendly super-hero
Who loves the number zero...
Oh, he always comes to visit right on time.

Zero Song

(Tune: This Old Man)

This old number
It means none
It is even less than one
With a Z-E-R-O
That spells zero
This old number is my hero

Daylight Savings Time

By Phyllis McGinley

In Spring when maple buds are red,
We turn the clocks an hour ahead,
Which means, each April that arrives,
We lose an hour
Out of our lives.
Who cares? When Autumn birds in flocks
Fly southward, back we turn the clocks,
And so regain a lovely thing
That missing hour
We lost last Spring.

The Months of the Year

(To the Tune of "Three Blind Mice")

January, February, March,
April, May, June.
July, August, September,
October, November, December.
These are the twelve months of the year.
Now sing them together so we can all hear.
How many months are there in a year?
Twelve months in a year.

Professional Resources:

Books:

Instant Math Centers Practice Creative Teaching Press
Hands-on Math by Virginia Johnson Creative Teaching Press
Math Tub Topics by Debra Morton Creative Teaching Press
Multilevel Math Fun by Carol Seltzer Creative Teaching Press
Alternatives to Worksheets by Karen Bauer Creative Teaching Press
Daily Math Practice Evan Moor
Take It To Your Seat Math Centers by Jill Norris Evan Moor
Math and Literature by Marilyn Burns Math Solutions Publications
Mega Fun Math Games by Dr. Michael Schiro Scholastic
Pocket Charts for Math by Valerie Schiffer-Danoff Scholastic
Poems to Count On by Sandra Liatsos Scholastic
Counting Caterpillars and Other Math Poems by Betsy Franco Scholastic
How Big is a Foot by Myller

Useful Websites:

For more information visit my website: www.mrsmcDowell.com

Print out her cheer cards! Dr. Jean: www.drjean.org

Week by Week Math Essentials Curriculum: Free to Download:

http://community.learnnc.org/dpi/math/archives/2005/06/grades_k2_resou.php

Fact Family Program: Free to Download:

www.theschoolbell.com

Math Superstar Worksheets: Free to Download: <http://www.dillon3.k12.sc.us/worksheets.htm>

Math Superstars Newsletters: Free to download!

<http://www.dillon3.k12.sc.us/downloads/MathStarsG1.pdf>

Mountain Math Boards: www.mtmath.com

Math Literature List organized by concepts:

http://www.mrsmcgowan.com/math/math_and_literature.htm#ct