

# Welcome to Back to School Night

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2nd Grade  
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# Agenda

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- 2nd Grade Curriculum
- Specialists
- Homework
- Study Trips

# Math

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- Engage NY
- POM - Problem of the Month
- MARS - Mathematics Assessment  
Resource Service
- Math Talks
- Problem Solving Workshop

# Standards for Mathematical Practice

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- Make sense of problems and persevere in solving them.
- Reason abstractly and quantitatively
- Construct viable arguments and critique the reasoning of others.
- Model with mathematics.
- Use appropriate tools strategically.
- Attend to precision
- Look for and make use of structure
- Look for and express regularity in repeated reasoning.

**Errors are gifts  
that promote  
discussion.**



**Answers are  
important, but  
they are not the  
math.**



**Talk about each  
other's thinking.**



**Ask questions  
until ideas make  
sense.**



**Use multiple  
strategies and  
multiple  
representations.**



# PROBLEM OF THE MONTH

A school-wide math program that fosters  
mathematical problem-solving  
(5 levels: Primary A-E)

Learning Math is Doing Math.

Doing math involves non-routine problems.

Perseverance and learning from mistakes  
are important attributes of good mathematicians.

At every level you are encouraged to challenge  
yourself and mathematical understanding.



## Problem of the Month Party Time



### Level A

Cindy had a party. She invited two guests. Her guests each invited four guests, and then those guests each invited three guests.

How many people were at Cindy's party?

Explain how you determined your solution.

### Level C

Mia, Jake, Carol, Barbara, Ford and Jeff are all going to a costume party. Figure out which person is wearing what costume and when they arrived at the party.

- The person that arrived fourth was wearing bathing suit.
- Barbara was the last to arrive.
- Jake and Mia arrived and stayed together.
- The first person was dressed as a French Maid.
- Superman arrived right before Barbara.
- The Potato Heads were always together at the party.
- Ford was a Surfer Dude.
- The French Maid was not Carol.
- The Vampire arrived after Superman.

# MARS

## Mathematics Assessment Resource Service

Date \_\_\_\_\_

Time \_\_\_\_\_

LESSON  
1-2

### Coins

1.  = \_\_\_\_\_ ¢

2.  = \_\_\_\_\_ ¢

3.  = \_\_\_\_\_ ¢

4.  = \_\_\_\_\_ ¢

5.  = \_\_\_\_\_ ¢

6.  = \_\_\_\_\_ ¢

50¢

25¢

10¢

5¢

1¢

Tim says, "I have one half-dollar, one quarter, one dime, one nickel, and one penny in my pocket."

3. If Tim pulls three coins from his pocket, what is the most money he would have in his hand? \_\_\_\_\_ ¢

Show how you know your answer is correct.

Anna bought some gum for 18¢. She gave 50¢ to pay for the gum.

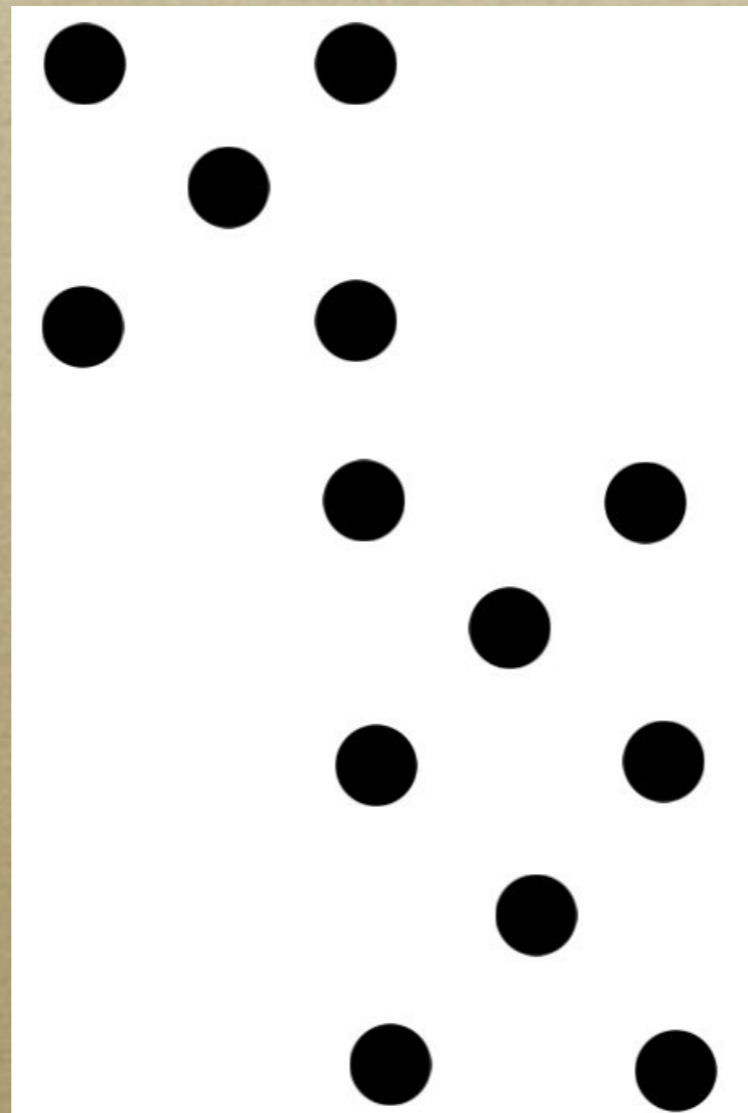
4. How much change did Anna get? \_\_\_\_\_ ¢

What coins did Anna get back?



# NUMBER TALKS

“Helping children build mental math and computation strategies”



# Helpful vs Important Algorithm vs Number Sense

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$$\begin{array}{r} | \\ 28 \\ +27 \\ \hline 55 \end{array}$$

$$\begin{array}{r} 28 + 27 = \\ \begin{array}{c} \diagdown \quad \diagup \\ | \quad | \end{array} \\ 40 + 15 = 55 \end{array}$$

# Why Number Sense is important:

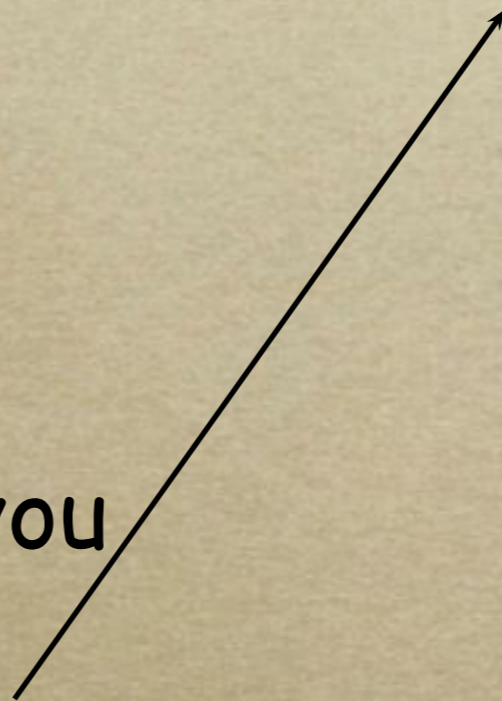
$$\begin{array}{r} | \\ 100 \\ -99 \\ \hline \end{array}$$

Why go through  
all of  
this?



$$\begin{array}{r} 100 \\ -99 \\ \hline 1 \end{array}$$

When you  
know  
this.



# Language Arts Program

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- Units of Study in reading, writing, and phonics
- Strategies to become lifelong learners; giving children tools to be flexible readers and writers.
- Learning Clubs- language arts based centers; guided reading

## How to Help your Child with Reading Comprehension

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- Read to your child.
- Model thinking aloud while you are reading with your child to demonstrate thoughts they may have while reading\*.
- Pick "Just Right" reading books.
  - Just right reading level
  - age appropriate content ~ main character should be around the age of your child
- Encourage book talk.

# Writers' Workshop

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## Writing Styles:

Personal Narrative

Opinion

Informational- Nonfiction (Science Fair)

# Science

Exploring the Earth FOSS:

Pebbles, Sand, and Silt

Wetlands

Habitat/Form and Function

Solids and Liquids FOSS:

Insects and Plants

Brassica Seed Investigation (FOSS: New Plants)

Insect Unit (Lifecycle)

Growing in the Garden

Brassica Seed Investigation (FOSS: New Plants)

Insect Unit (Lifecycle)

\*Design Lab Connection

# Social Studies

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Comparing Today with Long Ago  
Heritage Unit  
Timelines  
Biographies of "Proud Americans"

Caring About Our Community  
Geography/Mapping  
Introduction to Government  
Consumers and Producers



# Classroom Community

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- Building Our Classroom Community
  - Life Skills
  - Conflict Resolution
  - 8 Smarts
  - SEL- Social Emotional Learning
  - Growth Mindset
- School wide SEL monthly themes
  - September: Respect

# Specialists

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- PE with Kathy Jones - see website for schedule
  - Rm 9: Monday, Thursday; Rm 11: Tuesday, Friday
- Music with Kara D'Ambrosio
- Art with Bev Iverson (once a week) Wednesday
- Library with Sharon LaCrosse (once a week)  
Monday
- Design Thinking

\*Our daily schedule is posted on our website page.

# Birthday Treats

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Share a favorite book

- Child reads to class/guest reader/teacher reads a book to the class

# Homework

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Homework will come home Mondays and is due on Friday.  
Homework Assignment Sheet

Math

Reading homework (20 minutes) should include:

- being read to
- reading to or with another person
- reading to self

# Homework Assignment Sheet

Day	Homework Assignment Sheet Week 2 Name: _____ Room # _____	√ when complete	Parent signature & comment
Mon. 9/8	Reading: Read for 20 minutes, fill in your Reading Log "All About Me" Flag: Please answer the questions and color. Due Friday Take your time, do your personal best! We will display these in class.		
Tues. 9/9 ☺	Reading: Read for 20 minutes, fill in your Reading Log Math: Begin Lesson 1 Homework <i>*The content will be taught in class today, please do not start until Tuesday.</i>		
Wed. 9/10 ☺	Reading: Read for 20 minutes, fill in your Reading Log Math: Continue working on Lesson 1 Homework		
Thurs. 9/11 ☺	Reading: Read for 20 minutes, fill in your Reading Log Math: Lesson 1 Homework, due tomorrow "All About Me" Flag: Finish and check your work, due tomorrow		

## Note to Students:

- Name on each individual sheet.
- Use pencil.
- Color carefully using crayons or colored pencils.
- Show your work to your parent when finished.

## Note to Parents:

We have given your student a Homework Folder to go inside the red pocket. The packet will be placed inside the folder to keep work secure. The Reading Log will stay in the 3-prongs. Please initial this homework sheet each night. Be sure your child puts their name and room number at the top. All the homework should be put in the homework folder and returned to school on Friday in the red pocket.

## UPCOMING EVENTS

❖ Sept. 17<sup>th</sup>, Back to School Night

# Study Trips

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Stanford GeoKids\* (Earth Science: FOSS: Pebbles, Sand, Silt)

Alviso Wetlands\* (Earth Science)

Heal Project in Half Moon Bay-Farm to Market-(Producers/Consumers)

San Francisco Insect Discovery Lab (Lifecycle)

Año Nuevo (Lifecycle)

# Room Parents

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Head Room Parent Lee-Ann Mulholland

Room 9 Jen Zweig

Room 11 Alisia Huang

Sign-Up Genius

<https://www.signupgenius.com/go/4090e4faaaf2aa0f58-2ndgrade1>

# 2nd Grade Code

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**SVMI- Silicon Valley Math Initiative**

**MARS- Math Assessment Resource Service**

**FOSS- Full Option Science System**