

# Playing Around With Math

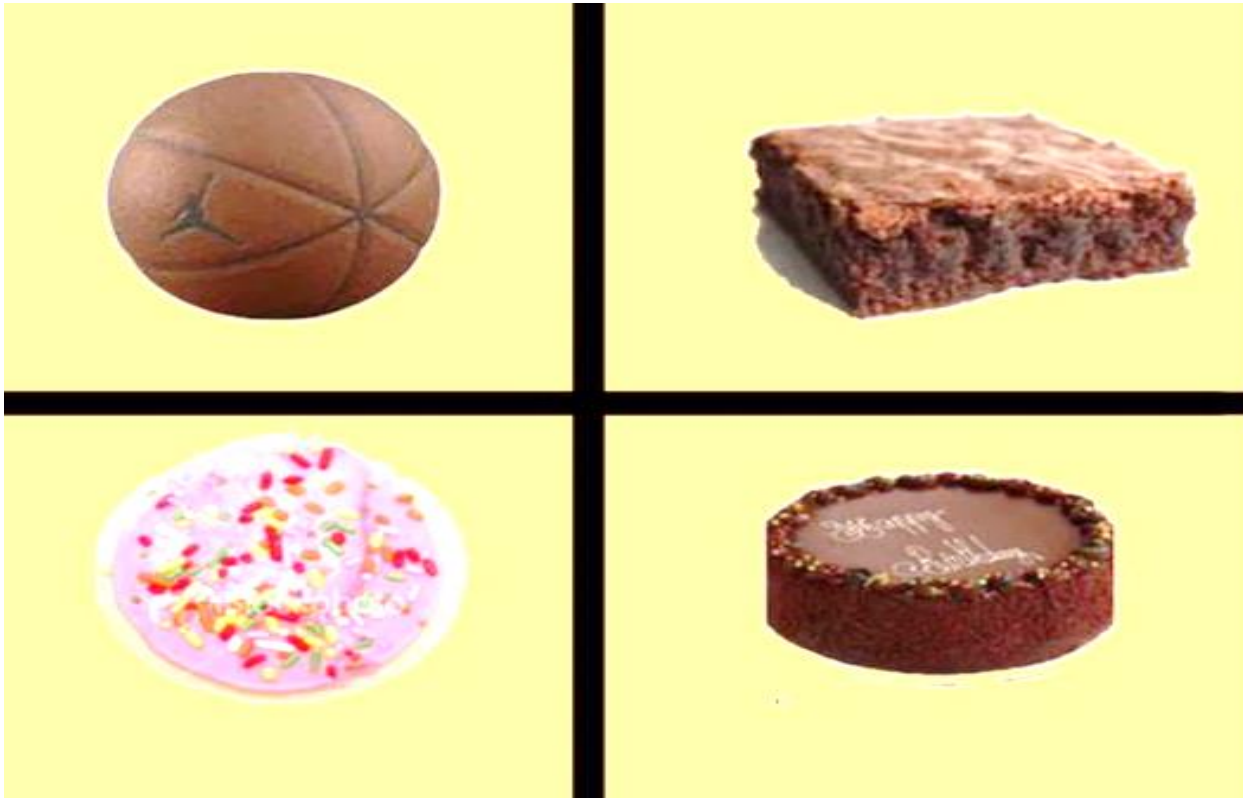
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## Let's take a short survey

- I like math
- I have never liked mathematics, and it is my most dreaded subject.
- Math is not a part of every day life.
- Math is a part of every day life.
- In mathematics you can be creative and discover things by yourself.
- There is nothing creative about mathematics; it's just memorizing formulas and things.

**Which one does not belong?**



**Think about it**

**Talk with your  
neighbor about  
your idea.**

**Justify it.**

Mathematical thinking can be nurtured at home as well as at school ...



**Where do we start?**

# Family Engagement Activities

are some of the

**MANY, MANY EXPERIENCES**

that children need

to develop a

strong mathematical foundation

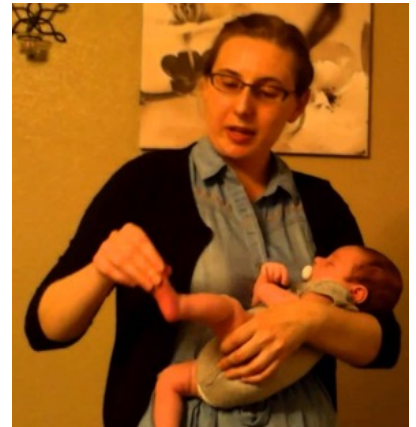
# Family Engagement

## Songs, Rhymes & Finger Plays

“One little, two little, three little fingers (*toes*) ...



“Here is the beehive, where are the bees? ...”



# Family Engagement

## Songs, Rhymes & Finger Plays

- At your table read your counting rhyme or song.
- As a team, practice your counting rhyme and prepare to share it with the rest of the group. You can act it out any way you want.

# Family Engagement

## Songs, Rhymes & Finger Plays



*How might you share counting rhymes with families?*



Brainstorm ideas with your table group.





# Family Engagement

## Songs, Rhymes & Finger plays

For all ages

- *Give families rhymes that children have enjoyed and learned in the classroom.*
- *Ask families to share songs and rhymes they use with their children at home.*

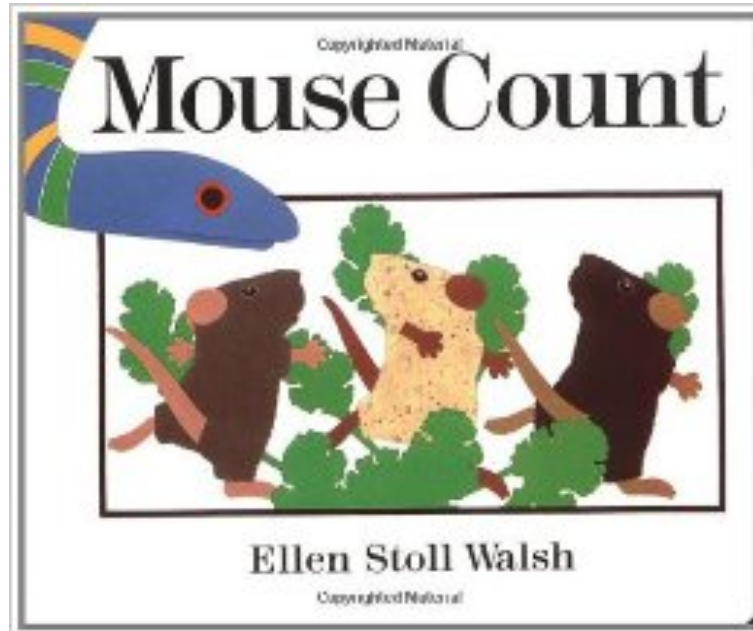
For older children

- *Ask children to decorate the paper where the rhyme is written and create a counting rhyme booklet to send home.*
- *This will be a growing project, as you can start with just a few rhymes, then add more.*

# Family Engagement

## Books

### Finding the joy & math in books



## Family Engagement Books



*How might you share good books with math with families?*

Brainstorm ideas with your table group.

# Family Engagement Books

Create a class lending library with a checkout system

- *Introduce students to books in the classroom.*
- *Lend out books with accompanying activities.*
- *Have students and their families draw or write reviews of the books they borrow.*

# Family Engagement

## Books

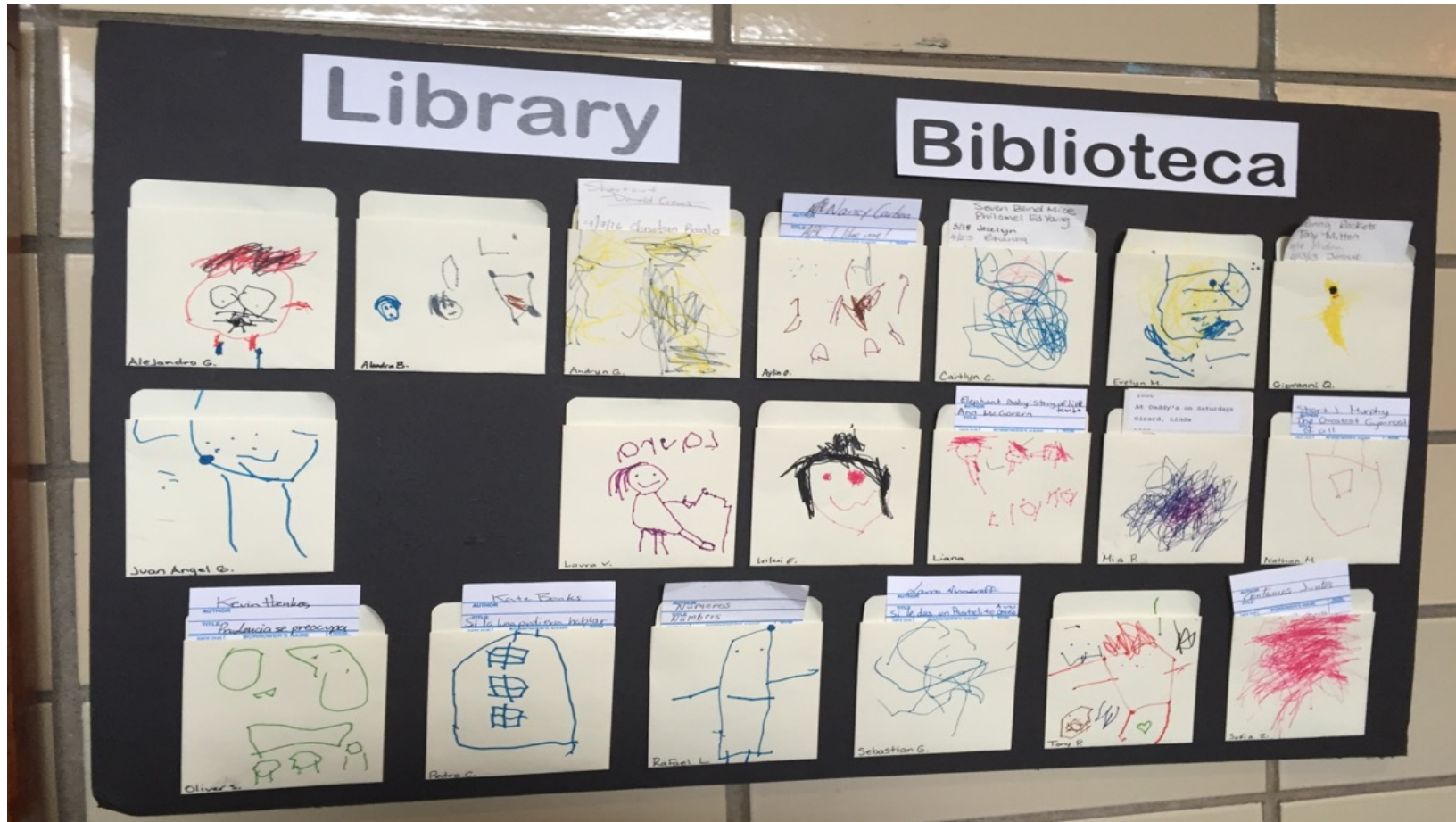
### **The Library Check Out System**

- The Books
- The Check Out Board
- The Schedule
- The Contract

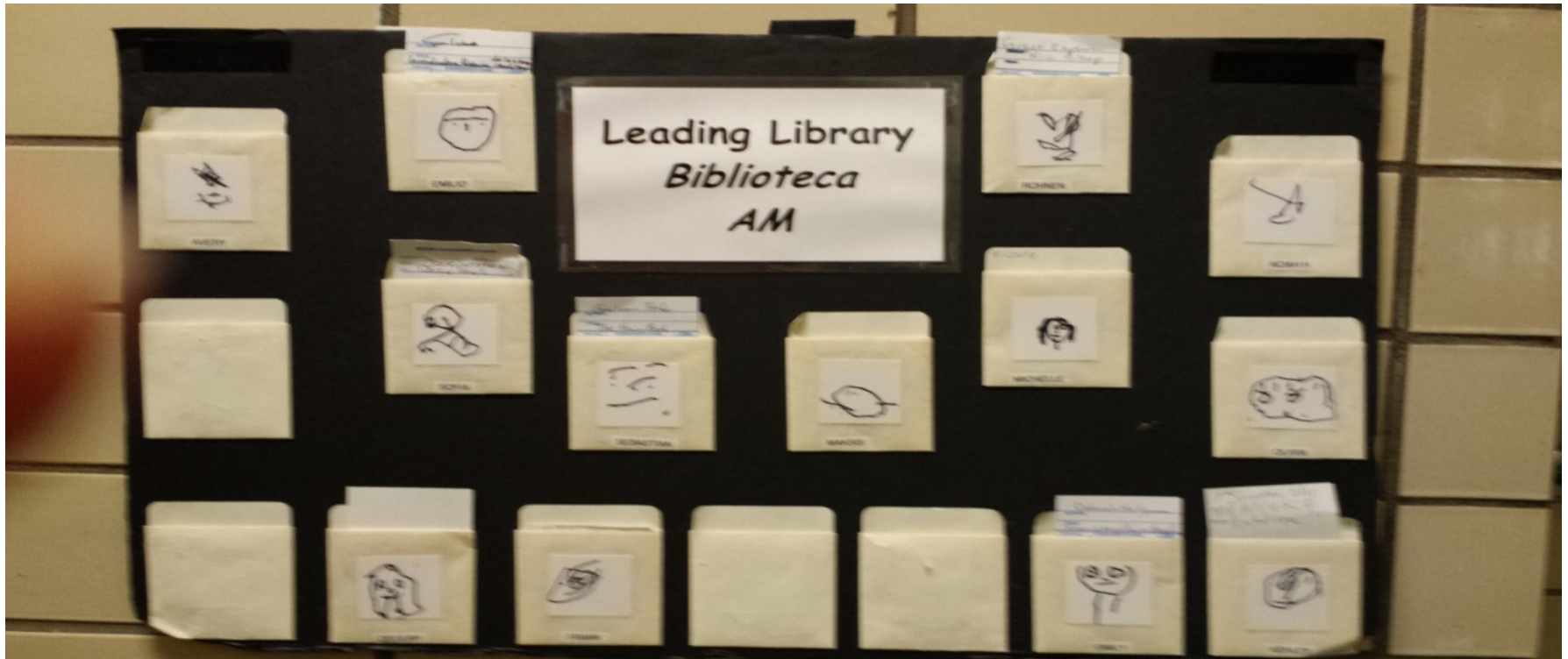


## Favorite Thing and Name





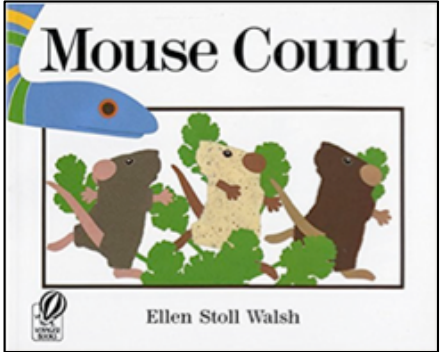
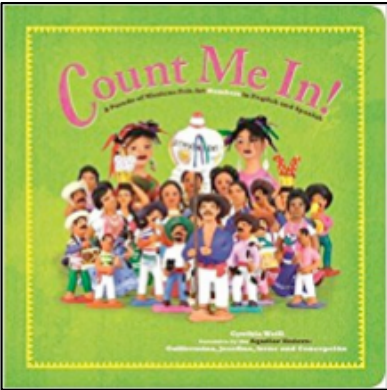
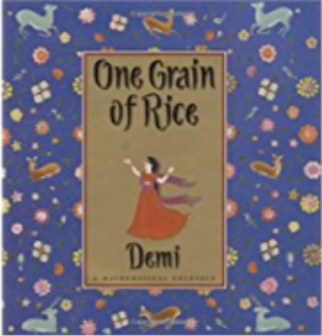
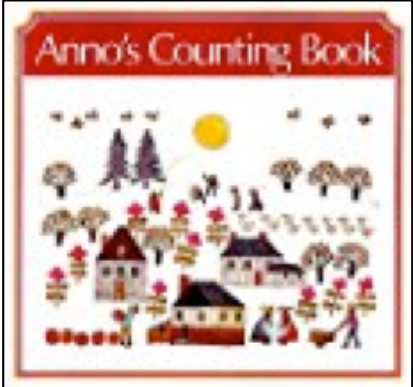
## Self Portrait and Name





# Family Engagement Books

## Some Good Books



# Family Engagement Games

## The Game of NIM

Play the game a few times—taking turns going first.

Pay special attention to who is the winner of each game and think about *why* that person won that particular game.

# Family Engagement Games

Math games:

- Can be played in any language
- Build home/school connections when families are encouraged to play games at home
- are fun for families while developing childrens' math skills
- Increase exposure to math

## Family Engagement Games



*How might you share  
games with families?*

Brainstorm ideas with  
your table group.

# Thank you

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