



Names in the Neighborhood: Identity as a MATH springboard

NCTM Session 666
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Welcome! Visit each table to do all six activities.

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Session goals

- Learn ways to help ALL children connect school and out of school math experiences
- Consider benefits and challenges of this approach

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What's on the agenda?



- Do activities, games, and projects that use the "Mixing in Math" approach
- Plan how you will use this approach with children

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General reflection questions

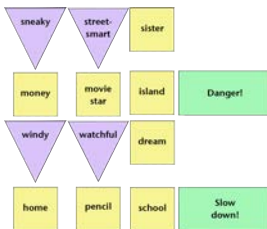
- What math does this address?
- How might this activity relate to children's environment and experiences?
- How is this different than a traditional word problem?
- What benefits and challenges might emerge?
- How can identity be a math springboard in this activity?

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Say It with Shapes

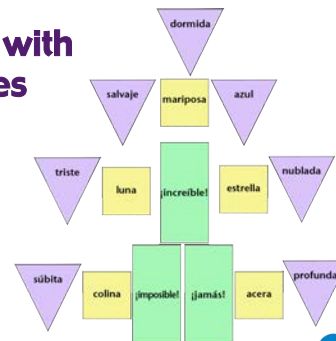
- Use your word sets to make a "pattern poem."
- Your poem should follow a pattern that you can describe.
- When you're finished, glue it on paper.



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Say It with Shapes



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Say It with Shapes

Desayuno / Breakfast

juice coffee milk cereal cinnamon toast chive/cheese
butter eggs

mixing in MATH

Name Game

1. Take turns. Write your name in a row or column, one letter per square.
2. Keep playing. The game is over when there is no room to take a turn.

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mixing in MATH

Name Game

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mixing in MATH

Name Game

9

mixing in MATH

Name Game

10

mixing in MATH

Name Game

11

mixing in MATH

Name Game

- How does name length influence the game?
- How do letters in common influence the game?
- What math do children do?

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Tell Me a Story

- Distribute a “counting ticket” to each child

Start at 10
Count back by 1

Start at 0
Count by 25¢

Start at 1
Count by 4

- Write a story based on the pattern on your ticket.

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Tell Me a Story


My Journey

Start at 5
Count by 5

On the second night I saw 10 clouds.



It was stormy.



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The first night I saw five boats.



I got on one and sailed away.

page 1

On the third night I saw 15 stars.



page 3

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Activities that engage ALL children...

- Include a way for every child to contribute an aspect of out of school experience/identity.
- Enable children to express themselves.
- Resonate with what children want to do out of school.
- Can lead to some unpredictable math and conversations.

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Make a plan



Think over the activities you learned about in the session and then discuss with the person next to you:

- Which activity (or your own variation) will you try with children in the next two weeks?
- How does the approach in this session help you address your diversity goals?

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Keep in touch and thank you!



<http://mixinginmath.terc.edu>

- Contact Marlene Kliman at:
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- Questions?

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