

## Title I State Parent Advisory Council

July 1, 2010  
Tracey L. Kherr  
and  
Ellen Mulligan



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## Goals For Today

- Empower Parents:
  - develop and deepen your understanding of mathematics
  - provide strategies to help you help your children understand mathematics
- Prove: MATH IS NOT A SPECTATOR SPORT

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Seven 7 

- $6 + 1$
- Odd
- Prime
- 2 less than 9 ( $2 < 9$ )
- $> 2$
- Small when compared to 79
- Large when compared to  $1/10$

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## Ways to Express 9

- 2 more than the number of days in a week
- 3 less than a dozen eggs
- 4 more than the number of people in our family
- 1 less than the number of fingers on both hands
- 3 more than a six-pack of soda

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## How Do You Help?

- Question, Question, Question!
  - What do you already know ?
  - How do you know that ?
  - What are you being asked to do ?
  - Can you organize your information ?
  - What do you think your answer should be ?
  - Does your answer make sense ?

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## EXPECTATIONS

- Expect success – there is no math gene; everyone can learn math
- Expect answers in complete sentences-  
Three plus five equals eight.  
 $3 + 5 = 8$   
 $3 + 5 = 6 + 2$
- Expect explanations – hear it, say it, write it –internalize it.

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## Around the House

- Sort Groceries: type, weight, shapes
- Sort Toys: action figures, board games, etc.
- Find Shapes around the House: squares, rectangles, circles, by room, tally chart
- Find Numbers: clock, microwave, thermostat, dvd/cd player

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## Math to Go

- Find Numbers in Print
  - Route signs; mile markers
  - Find 1 to 20
- Guess a number
- Count specific examples
  - Blue cars
  - Traffic lights
  - Trucks, mini vans etc.

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## Reasons for Doing Things

- Builds the Concept of PROOF

### Playing Outside

- Fresh air is good for us
- Exercise helps us stay in shape
- It's fun
- Play things you can't play inside

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## Time

- Important at all grades
- We focus at grades 1 and 2
- Time is built into problems in other grades



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## Money

- Important at all grades but critical skills built early



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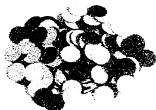
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## Two-Color Counters

- Builds pattern skills
- Builds counting skills
- Builds fact fluency
- Builds understanding of operations



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## Base Ten Blocks

- Builds number sense
- Develops and supports flexible thinking



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## Hundreds Chart

- Develops number sense
- Develops patterns with numbers
- Develops mental math capacity



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## Attribute Blocks and Sorting Circles

- Build pattern sense
- Build critical thinking skills



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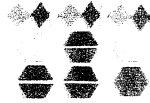
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## Pattern Blocks

- Build pattern skills
- Build fraction concepts



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## Dominoes

- Provide practice for various concepts
- Develop thinking skills



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## Dice and Number Cube

- Random number generators



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## Playing Cards

- Random number generator
- Skill builder



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## Angle Ruler

- Measures angles
- Builds measurement and geometric reasoning
- Serves a similar function as a protractor



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## Grade 2



1. Count to seventeen.
2. Find seventeen on the Hundreds Chart.
3. Write the number seventeen.
4. Use the base ten blocks to make seventeen.
5. Use the base ten blocks to make seventeen another way.
6. Draw a picture of the two ways you used the base ten blocks to make seventeen.

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## Patterns

- Shade the multiples of three.
- What patterns do you notice?
- Circle the multiples of two.
- What patterns do you notice?

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## Summing It Up

- What two ideas will you take with you today?
- Do you have any questions?

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Thank You For Coming!!!

- Let's get Started!
- Keep Math Thinking Alive!



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Thank you for giving us the  
privilege of helping you, help your  
child!

- For additional resources, visit our website at [www.mathshapesgofigure.com](http://www.mathshapesgofigure.com)
- E-mail us with questions at, [tracey@mathshapesgofigure.com](mailto:tracey@mathshapesgofigure.com) or [ellen@mathshapesgofigure.com](mailto:ellen@mathshapesgofigure.com)
- Embrace the math and always question:  
Who is doing the thinking?



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