


Title I State Parent Advisory Council

July 1, 2010
Tracey L. Kherr
and
Ellen Mulligan



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

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

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 ?

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.

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

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.

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

Time

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



Money

- Important at all grades but critical skills built early



Two-Color Counters

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



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MULTIPLYING POTENTIAL

Base Ten Blocks

- Builds number sense
- Develops and supports flexible thinking



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MATHS FOR ALL

Hundreds Chart

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



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MATHS FOR ALL

Attribute Blocks and Sorting Circles

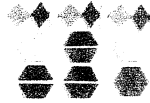
- Build pattern sense
- Build critical thinking skills



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Pattern Blocks

- Build pattern skills
- Build fraction concepts



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



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.

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?

Thank You For Coming!!!

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



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

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