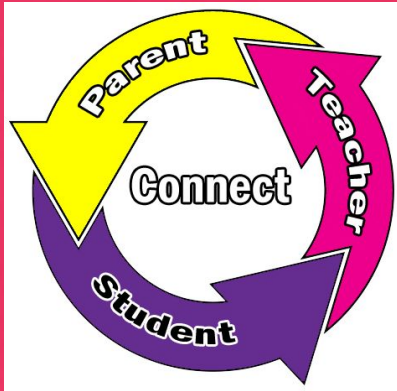


How to Get the Parents of Your
Students to See Mathematics in
Action!

Session 333

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Fifth Grade Parent Meeting

When Parents Are
Involved, Kids Thrive



September 2015

How YOU Learned Math



HOW YOUR CHILD is Learning Math



Topics to be covered tonight:

- Growth mindset (Productive and unproductive Beliefs)
- Content Standards and Standards for Mathematical Practices
- My expectations
- Questions/Discussion

Growth vs. Fixed Mindset

"I was never any good at math."

"I'm not a math person."

"My mind just doesn't think that way."

"My mom wasn't good at math, so I'm not either."

"This math is too hard for a fifth grader."

Khan Academy



Intelligence Praise

- You're so smart. That must have been easy for you.
- You learned that so quickly.
- Look you did not make any mistakes.

What students hear and think:

If success means you are smart, then failure means you are dumb.

Effort (Actions) Praise

- You really studied for that test and the effort paid off.
- I like the way you tried different strategies.
- You drew a picture first and that helped you solve it.

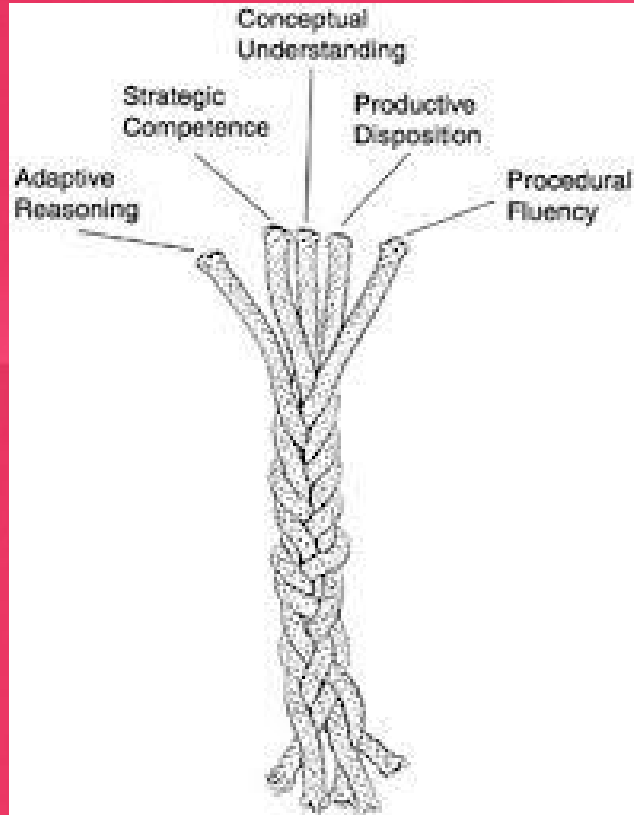
What students hear and think:

I can do this if I just keep trying to figure it out using what we've been learning.

"Give your child the support so they can do anything, but don't give them so much that they can't do anything."

Warren Buffet

What does it mean to have mathematical proficiency?



"Mathematical proficiency is not a one-dimensional trait, and it cannot be achieved by focusing on just one or two of these strands."

Adding it Up: Helping Children Learn Mathematics 2001

Expectations

Students are responsible for their own learning.

Students are respectful of peers and staff.

Students are active learners and participants.

Students ask questions of peers and teachers.

Students are advocates for themselves.

What can you do to help your
child at home?

Issues/Questions/Concerns...
CALL ME!

What can I do to help
you?



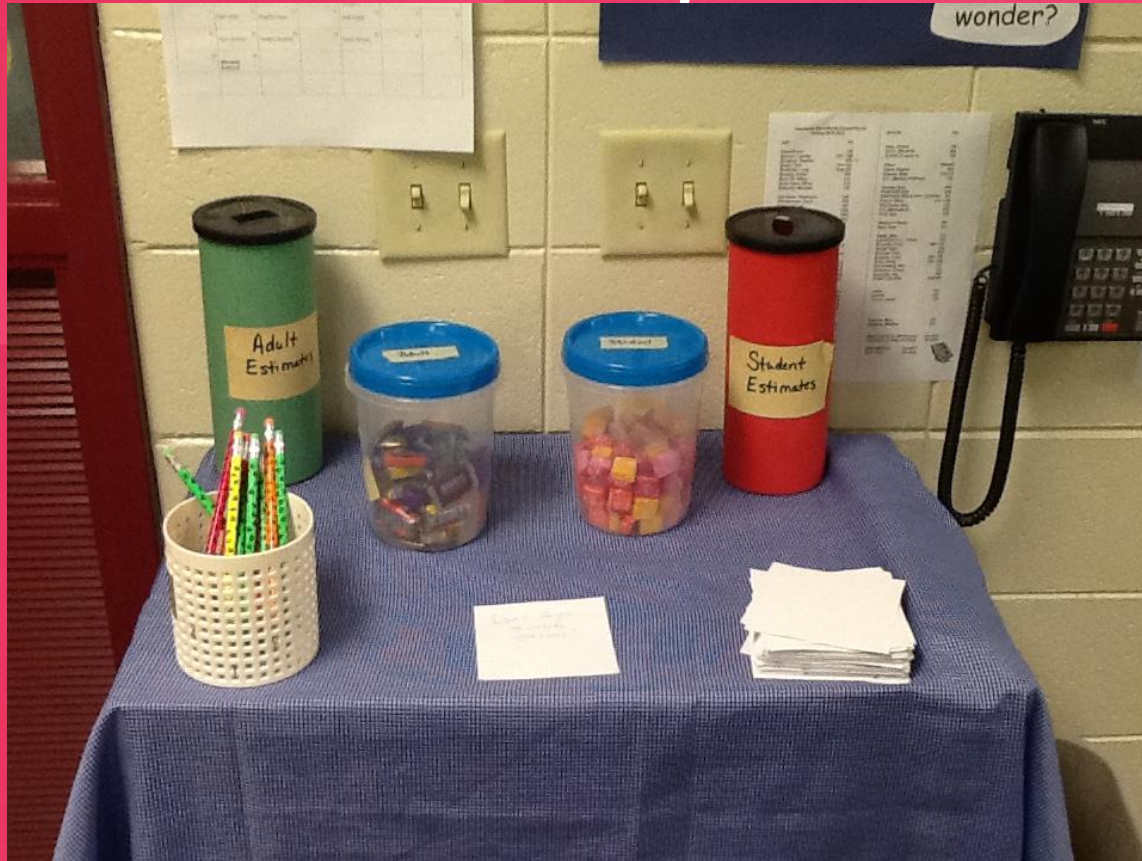
Math Night



Math Night



Math Night



What you can expect to learn tonight:

Growth mindset vs. Fixed mindset

Standards for Mathematical Practice

Tape Diagrams

Adding Fractions

Multiplying Fractions

Common Core isn't "new" math, it is GOOD math!

"Mathematics lessons should be centered on engaging students in solving and discussing tasks that promote reasoning and problem solving."

NCTM - Principles to Actions

Productive struggle should be a part of every lesson. In other words, students need to get comfortable being uncomfortable.



Standards for Mathematical Practice

Practices 1 and 6 - Cora & Jenny

Practices 2 and 3 - Josh & Peyton

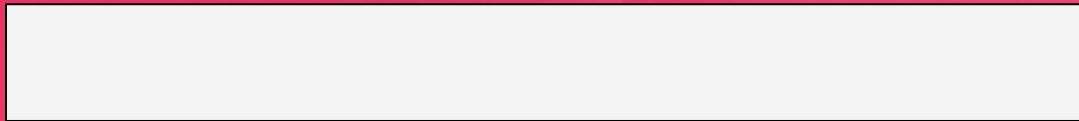
Practices 4 and 5 - Alexis & Emily

Practices 7 and 8 - Delaney & Ellie

Tape Diagrams

Brendon, Colin, Logan

Mrs. B bought a case (24 boxes) of fruit juice. One-third of the boxes were grape and the rest were cranberry. How many boxes of each flavor did Mrs. B buy?



Adding Fractions

Alyssa & Chloe

Alyssa gave one-third of her allowance to Chloe to purchase a snack. Alyssa then gave Nicholas one-half of her allowance to purchase a gift for their mom. What fractional part of her allowance did Alyssa give away?

Multiplying Fractions

Natalie

In Natalie's garden, one-fourth of the plants are vegetable plants. One-third of those plants are green beans. What portion of the entire garden is green beans?

Let's try some activities!

Activity 1 - Ten is the Winner

Activity 2 - Four 4s

Activity 3 - Elmer's Multiplication Error

Activity 4 - 24

Evaluations

Comments from Evaluations:

"Don't change anything!"

"Fun. I learned a lot."

"It was actually more fun than I thought it would be! Thank you!"

"Thank you for spending your time with us tonight. It was very helpful and fun."

Thank you for spending some time
with me this morning!

If you have any questions, please feel free
to contact me.

If you try either of these events, I would
love to hear how it goes!

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