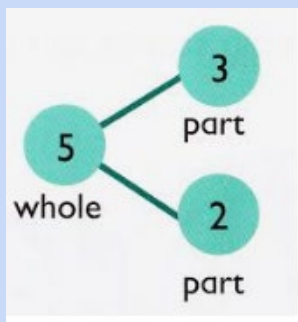
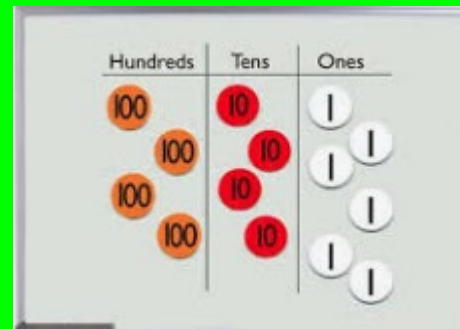


Math in Second Grade at Springhurst



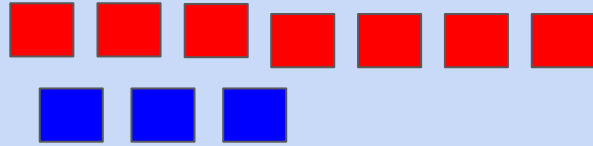
Math Mornings
November 14, 2018
8:45-9:30

Josh Rosen and Holly Cicero

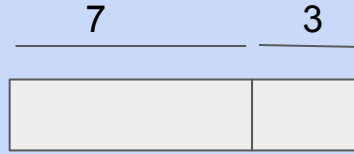
Second Graders will....

- *Extend their understanding of the place value system to include 10s and 100s and will develop understanding of the parts of a three digit number, including comparing numbers
- *Solve problems within 1000 using visual models as they develop, discuss, and use efficient and accurate methods to add and subtract (Fluency with basic facts-addition and subtraction within 20)
- *Recognize the need for standard units of measurement as they use rulers and other measurement tools to learn about linear measurement
- *Describe and analyze shapes by examining their sides and angles, and reason about decomposing and combining shapes to make other shapes

Concrete



Pictorial



Abstract


$$7+3=10$$

Jerome Bruner's
theory of learning



Let's solve a problem:

$$66+98$$



Let's share our ideas
with a neighbor!

What are some different strategies that you can use to solve this problem? Can you solve it in more than one way?

Classroom Practices designed to encourage deep mathematical learning

*Providing a safe environment for students to take risks, make mistakes, and adapt to new ways of thinking

*Teachers asking for multiple solutions to a problem in order to cast a wide net for all learners--There is not one way to solve any particular problem, and we work toward efficiency (teacher as facilitator)

*Students collaborating to share ideas

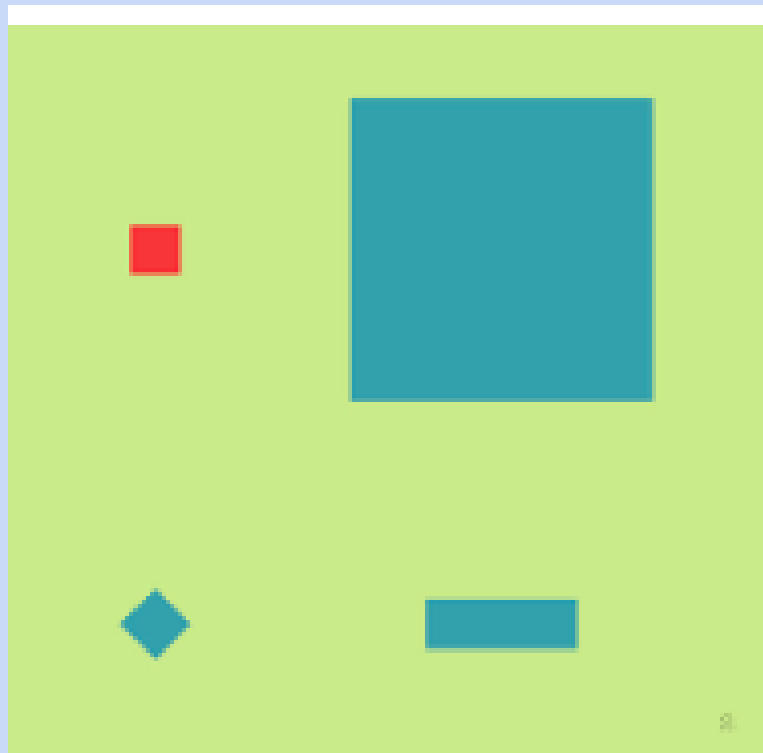
*Teachers encouraging perseverance

*Explaining and justifying ideas while listening to others' ideas

Second graders distinguish between defining attributes (a given number of angles or a given number of equal faces) and non-defining attributes (color, orientation)

Which one doesn't belong?

by Christopher Danielson



How can you support your Second Grader's learning at home?

*Mathematize your world! Notice and comment on things in your environment that relate to number and quantity

*Play math games!! (Like Salute) Games like these are a good way to develop fact fluency (Addition and Subtraction within 20)

*Be positive about math! Children pick up on messages from their parents about attitudes toward learning

Young mathematicians love to solve problems, and they enjoy talking about their ideas!

Math Resources:

- *Go to Springhurst Website
- *Click on Academics Tab
- *Click on Math Resources

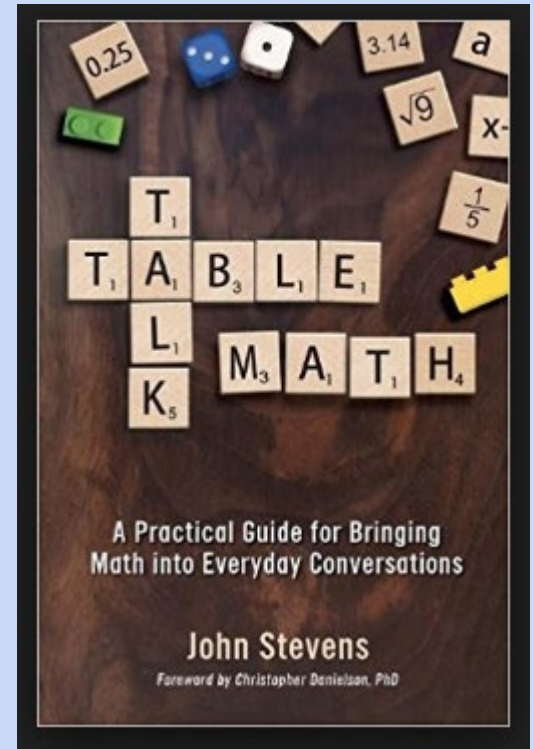
You will find a wealth of resources to better understand the math we are doing in school!!

+	1	2	3	4	5	6	7	8	9	10
1	2	3	4	5	6	7	8	9	10	11
2	3	4	5	6	7	8	9	10	11	12
3	4	5	6	7	8	9	10	11	12	13
4	5	6	7	8	9	10	11	12	13	14
5	6	7	8	9	10	11	12	13	14	15
6	7	8	9	10	11	12	13	14	15	16
7	8	9	10	11	12	13	14	15	16	17
8	9	10	11	12	13	14	15	16	17	18
9	10	11	12	13	14	15	16	17	18	19
10	11	12	13	14	15	16	17	18	19	20

Other Resources



bedtimemath.org



Family Math Night

January 11, 2019

Video of Mental Math with Second Graders

<https://www.dfsd.org/Page/1494>

Thank you for coming!!

rosenj@dfsd.org