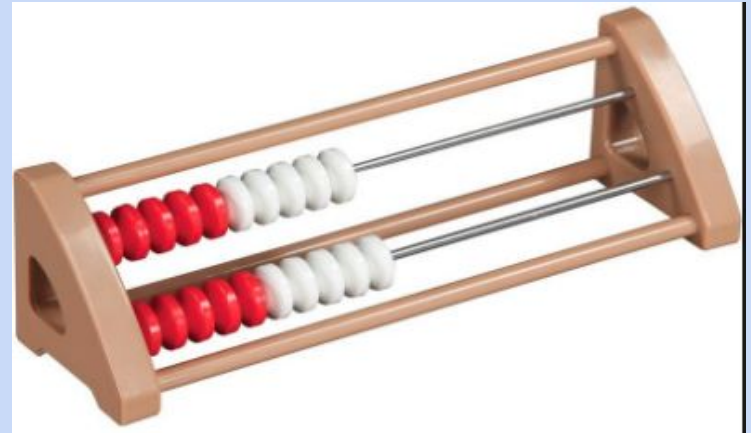
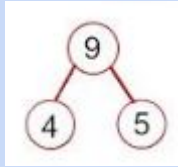


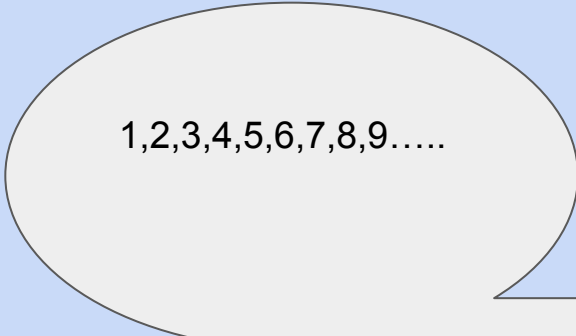
What your kindergartener will be learning this year



Math Mornings
November 5, 2018
8:45-9:30
Josh Rosen and Tricia Zarro

Counting and Cardinality

- *Knowing number names and the counting sequence
- *Counting to tell the number of objects
- *Comparing Numbers (more and fewer)



1,2,3,4,5,6,7,8,9.....

What do we mean by cardinality?

*Understanding that the numbers in the counting sequence represent quantities, not merely words

*Understanding of Conservation

(a quantity is the same no matter how it is arranged)

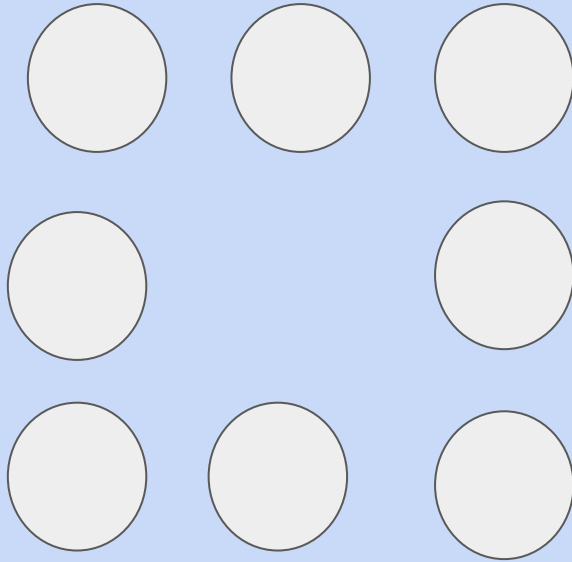
*Subitizing (knowing a quantity without having to count)

*Hierarchical Inclusion

(each number includes the previous numbers within it-Numbers are nested within larger numbers)

<http://www.cpalms.org/Public/PreviewResourceAssessment/Preview/36563>

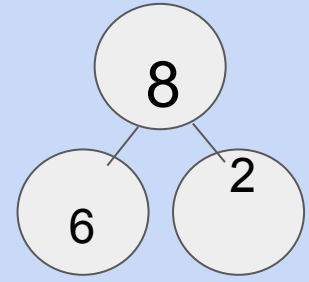
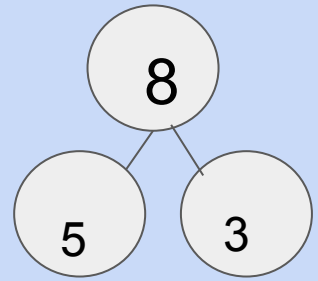
How many dots do you see?





*Understanding addition as combining/putting together and subtraction as taking apart/taking from

Before any formal addition or subtraction is introduced, the students explore number bonds. How are different numbers made?



Concrete

Pictorial

Abstract

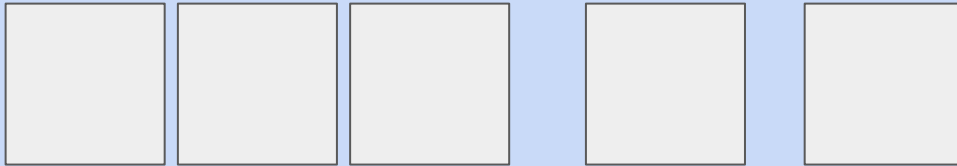
Jerome Bruner's
theory of learning



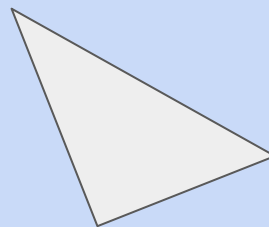
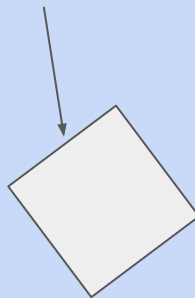
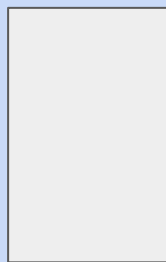
Let's do an activity!

How many different ways can we arrange these five tiles to make new shapes?

*They must line up at an edge



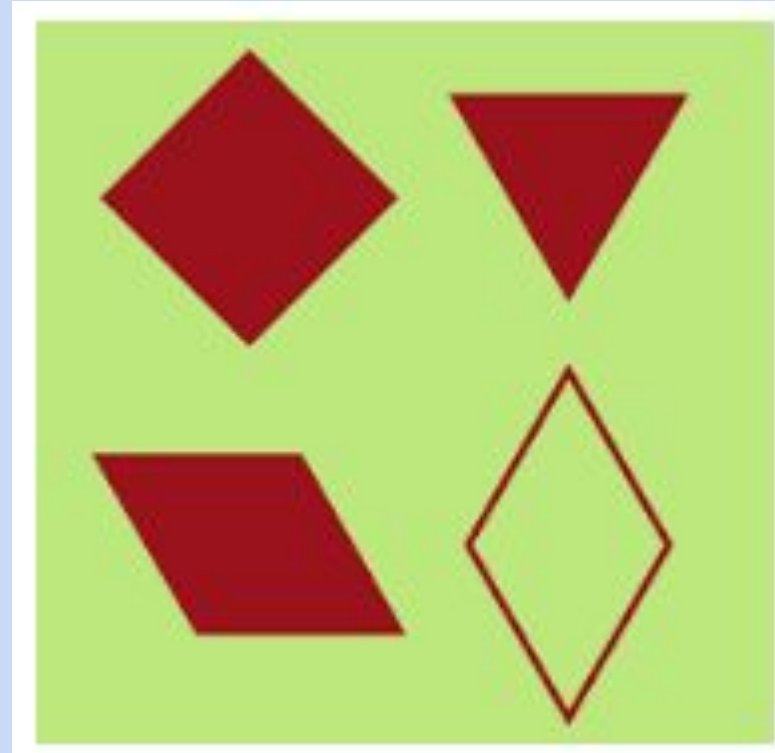
In Kindergarten, students will learn to identify shapes presented in a variety of ways, with different sizes and orientations. What shape is this?



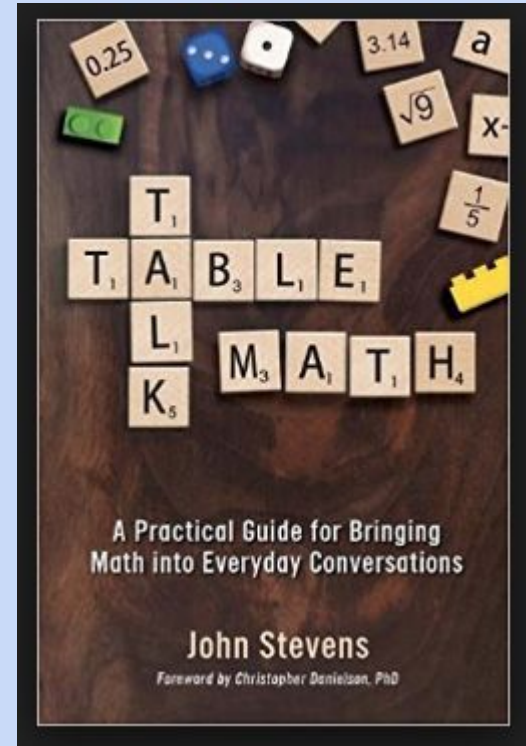
Kindergarteners spend a lot of time classifying objects and putting them into categories.

Which one doesn't belong?

by Christopher Danielson



Other Resources



How can you support your kindergartener's learning at home?

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

*Have your child count things (groceries, apples from an apple picking trip, etc.)

*Play math games!!

*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!!

Thank you for coming!!

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