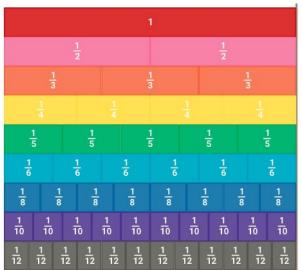


What to expect in Math-Fourth Grade



Math Mornings December 4, 2018 8:45-9:30 Josh Rosen and Cathy O'Rourke

Dobbs Ferry Union Free School District

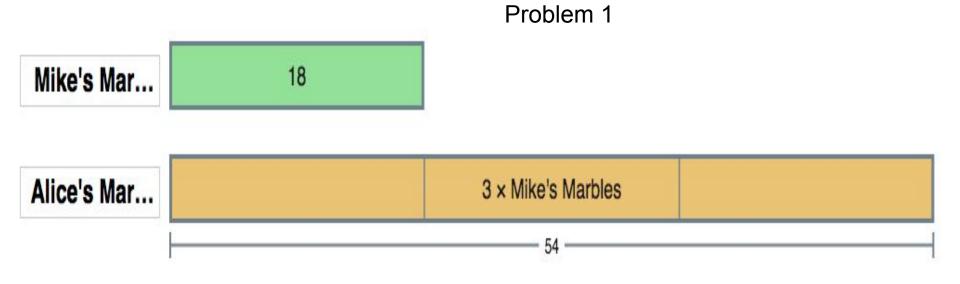
Fourth graders will...

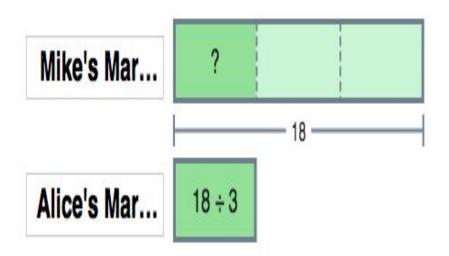
Expand their understanding of place value to 1,000,000 and learn strategies for solving multi-digit multiplication and division problems...

Word Problems-Take a close look What is similar and what is different?

Mike has 18 marbles.

His friend Alice has three times as many marbles as Mike. How many marbles does Alice have? Mike has 18 marbles. He has three times as many marbles as his friend Alice. How many marbles does Alice have?



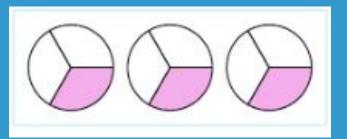


Problem 2

and...

develop a deep understanding of equivalent fractions, and learn to decompose fractions as they learn to multiply a whole number by a fraction.





Let's Compare Fractions!!

Order these fractions from smallest to largest:

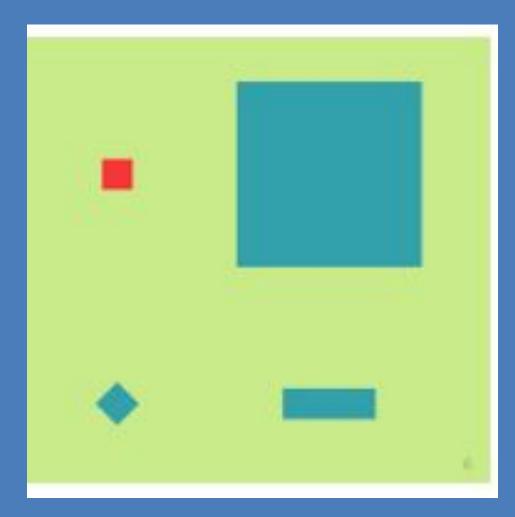
3/4 3/5 7/8 1/3

What do you visualize?

and...

...describe, analyze, and classify two-dimensional shapes as they deepen their understanding of the properties of shapes.... (parallel and perpendicular lines, angles, sides, etc.)

Which one doesn't belong? by Christopher Danielson



Concrete Pictorial 3



Abstract

What do vibrant mathematics classrooms look like?

Students collaborating

Teachers encouraging perseverance

Students justifying their ideas and listening to the ideas of others Teachers encouraging a wide range of possible methods for solving problems

Ways to support Math Learning at Home

Mathematize your World!!--Notice math in everyday life

Play Math Games like Salute, solve puzzles like KenKen

Be positive about math! Your attitudes have a big impact!

Dreambox

Math Resources:

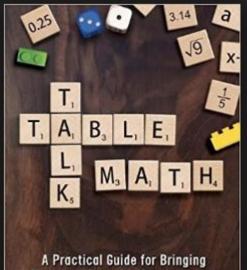
*Go to Springhurst Website *Click on Academics Tab *Click on Math Resources

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

Other Resources



bedtimemath.org



Math into Everyday Conversations

John Stevens Fareward by Christopher Danielson, PhD

Thank you for coming!!

rosenj@dfsd.org

For Math Resources, go to

https://www.dfsd.org/domain/275