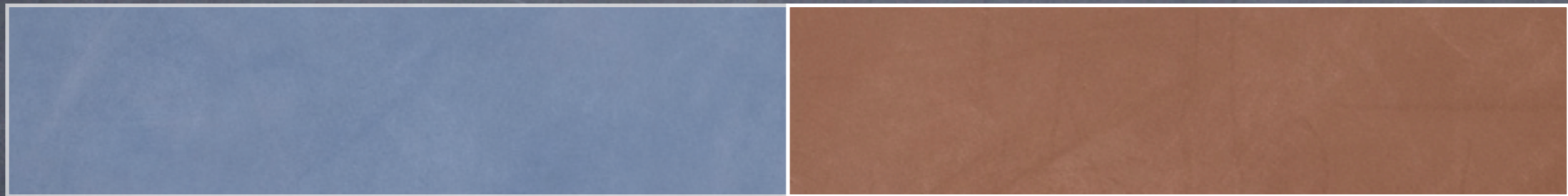


# enVision Math

Morning Roundtable Meeting  
McNear Elementary; February 1, 2010

# Agenda



Math (30 min)

Other Issues (30 min)

The plan is to split the time between math and other issues. However, the time is meant to follow an organic structure, and we can adjust however we see fit.

# Outcomes

- Theory
- Benefits
- Lessons
- Components

$$\frac{1}{2} \div \frac{1}{5} =$$

$$\frac{1}{2} \times \frac{5}{1} =$$

$$2 \frac{1}{2}$$

How do we solve this division problem? The standard way to find the answer is to invert and multiply. Multiply the first number by the reciprocal of the second number, and that is your answer. So we get an answer of  $2 \frac{1}{2}$ .

# WHY?



We learned the algorithm for dividing fractions, but did we ever learn why it works? The enVision math program begins with developing conceptual understanding of concepts and moving to supporting skills. How does this work?

This illustration represents fraction bars from the enVision manipulatives. We pull out a blue  $\frac{1}{2}$  piece and some green  $\frac{1}{5}$  pieces. When we ask how many  $\frac{1}{5}$ ths fit into  $\frac{1}{2}$ , we can see it is  $2 \frac{1}{2}$ .

# 1. Daily Spiral Review

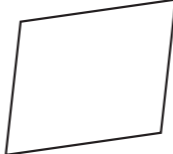
26  
Topic 10

## Problem of the Day

Harriet bakes bread every 3 days, an  
makes lemonade every 4 days, and  
cooks spaghetti every 8 days. She  
made all three on Saturday, April 28.  
When will she make all three again?

Daily Spiral Review  
**10-1**

Name \_\_\_\_\_

- In sixth grade, Max could jump  $4\frac{3}{8}$  feet. In high school, he could jump  $3\frac{7}{8}$  feet higher. How high could Max jump in high school?  
 A  $7\frac{1}{4}$  feet  
 B  $7\frac{5}{8}$  feet  
 C  $8\frac{1}{4}$  feet  
 D  $8\frac{5}{8}$  feet
- What is the value of the expression  $x(3 + x) - 4$  if  $x = 7$ ?  
 A 70  
 B 66  
 C 42  
 D 10
- The average low temperature in Alaska in January is  $-20^\circ\text{F}$ . The average low temperature in March is  $14^\circ$  warmer. What is the average low temperature in March?  
 A  $-28^\circ\text{F}$   
 B  $-12^\circ\text{F}$   
 C  $-6^\circ\text{F}$   
 D  $6^\circ\text{F}$
- Which is the best name for this figure?  
  
 A Quadrilateral  
 B Trapezoid
- It is 572.25 miles from Salt Lake City, Utah, to Great Falls, Montana. It is 520.33 miles from Salt Lake City to Flagstaff, Arizona. How much farther is it to Great Falls than to Flagstaff?  
 \_\_\_\_\_
- Alex biked  $6\frac{1}{4}$  miles on Friday,  $7\frac{7}{8}$  miles on Saturday, and  $7\frac{1}{8}$  miles on Sunday. What was the total distance Alex biked?  
 \_\_\_\_\_
- Find the mean, median, and mode of this set of numbers.  

16	18	32	24
15	8	11	16
28	30	22	

 Mean: \_\_\_\_\_  
 Median: \_\_\_\_\_  
 Mode: \_\_\_\_\_
- Bill and Steve need to paint 64 ceramic tiles. Is it possible for Bill to paint exactly  $\frac{3}{4}$  of the tiles? Explain.  
 \_\_\_\_\_  
 \_\_\_\_\_

Daily Spiral Review  
**10-1**

The lessons begin with a Daily Spiral Review and the Problem of the Day. Both or either of these could be used depending on time.

## 2. Interactive Learning

Brian has  $\frac{3}{4}$  of a sandwich. He eats  $\frac{1}{3}$  of the sandwich now, and saves the rest for later. What fraction of the  $\frac{3}{4}$  sandwich does Brian eat now?

# 3. Visual Learning



The third part uses the book and online resources. Students are introduced to the concept in a visual format. This example of an array model for multiplication shows how we can understand  $\frac{2}{3} \times \frac{3}{4}$ .

# Other Components

- Online teaching support
- Homework book
- eTools
- Games