

Lesson 2.2

October 29, 2013

WarmUp

Find the quotient.

5. $56 \div 8 =$ _____

6. $99 \div 11 =$ _____

7. $132 \div 6 =$ _____

8. $80 \div 5 =$ _____

9. $\frac{88}{4} =$ _____

10. $\frac{156}{3} =$ _____

11. $\frac{430}{86} =$ _____

12. $\frac{3082}{23} =$ _____

Period3Website

[hp://fairfieldschools.org/schools/rlms/?p=939](http://fairfieldschools.org/schools/rlms/?p=939)

[hp://fairfieldschools.org/schools/rlms/tomei-period-3/](http://fairfieldschools.org/schools/rlms/tomei-period-3/)

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Essential Question

How can you divide by a fraction?

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LessonTarget

To be able to:

- use a visual model to divide by a fraction.

Self-Evaluation Rubric

Score	Description
4	I can teach other students how to use a visual model to divide by a fraction.
3	I can use a visual model to divide by a fraction.
2	I recognize a visual model to divide by a fraction.
1	I do not know how to use a visual model to divide by a fraction.

Activity1

With a partner, complete Acvity 1 on page 35 in your Big Ideas Record and Pracce Journal.

Activity 2

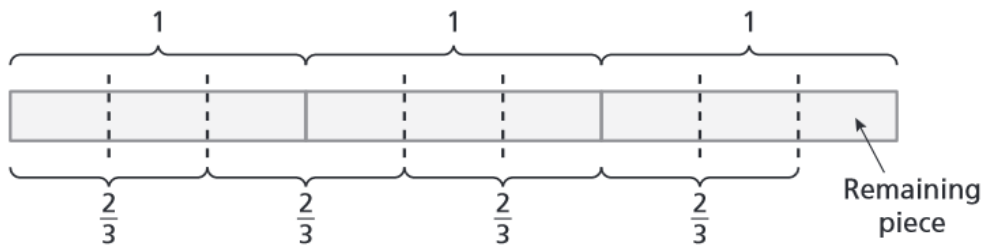
With a partner, complete Activity 2 on pages 36 & 37 in your Big Ideas Record and Practice Journal.

con·jec·ture an opinion or conclusion formed on the basis of incomplete information.

a. How many two-thirds are in three?

The division problem is $3 \div \frac{2}{3}$.

2nd
divisor Dividend
is num



How many groups of $\frac{2}{3}$ are in 3? 4

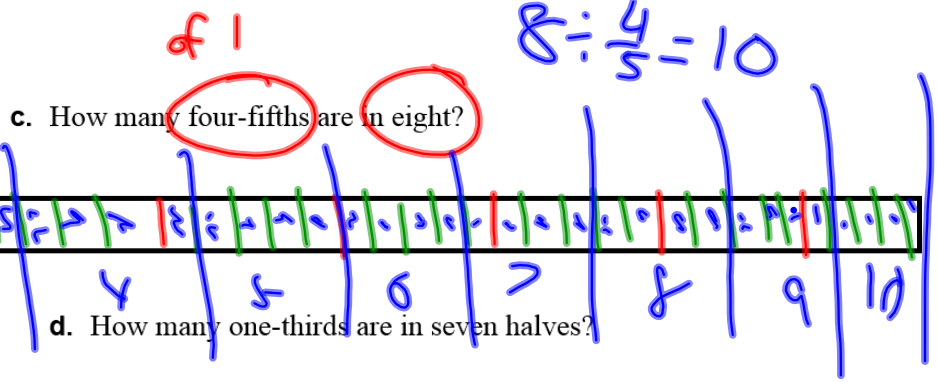
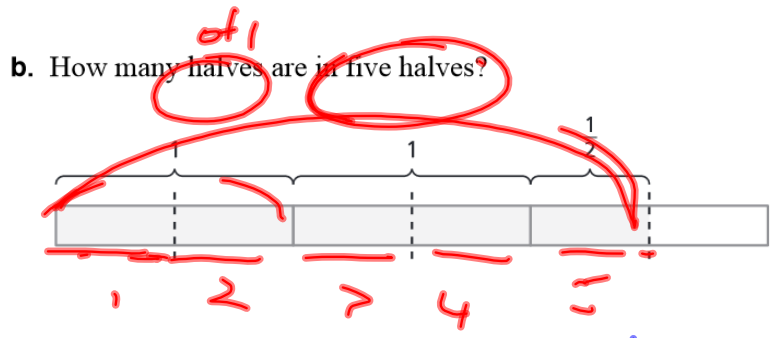
The remaining piece represents $\frac{1}{2}$ of $\frac{2}{3}$.

So, there are $4\frac{1}{2}$ groups of $\frac{2}{3}$ in 3.

So, $3 \div \frac{2}{3} = 4\frac{1}{2}$.

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

$$\frac{4}{5} = \frac{1}{5} + \frac{1}{5} + \frac{1}{5} + \frac{1}{5}$$



d. How many one-thirds are in seven halves?

e. How many three-fourths are in five halves?

$$\frac{7}{2} = \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2}$$

d. How many one-thirds are in seven halves?



e. How many three-fourths are in five halves?

$$9 + 1 = 10\frac{1}{2}$$

$$\frac{7}{2} \div \frac{1}{3} = 10\frac{1}{2}$$

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

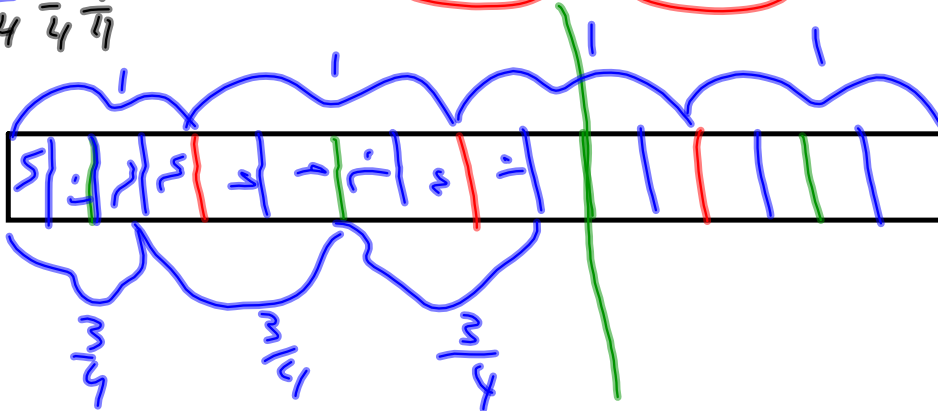
d. ~~How many one-thirds are in seven halves?~~

of 1
divisor

$$\frac{3}{4} = \frac{1}{4} + \frac{1}{4} + \frac{1}{4}$$

e. How many three-fourths are in five halves?

dividend



$$\frac{5}{2} \div \frac{3}{4} = 3\frac{1}{3}$$

$$\frac{1}{4} + \frac{1}{4} + \frac{1}{4} = \frac{3}{4}$$

W-1

Division Table

$8 \div 16$	
$8 \div 8$	
$8 \div 4$	
$8 \div 2$	
$8 \div 1$	
$8 \div \frac{1}{2}$	
$8 \div \frac{1}{4}$	
$8 \div \frac{1}{8}$	

Multiplication Table

$8 \times \frac{1}{16}$	
$8 \times \frac{1}{8}$	
$8 \times \frac{1}{4}$	
$8 \times \frac{1}{2}$	
8×1	
8×2	
8×4	
8×8	

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NO
HW