

Activity 2.6

November 26, 2013

# WarmUp

**Find the quotient.**

5.  $56 \div 8 =$  \_\_\_\_\_

6.  $99 \div 11 =$  \_\_\_\_\_

7.  $132 \div 6 =$  \_\_\_\_\_

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

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

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

13.  $18 \overline{)216}$

14.  $12 \overline{)960}$

15.  $9 \overline{)567}$

# WarmUp

Find the quotient.

5.  $56 \div 8 = \underline{7}$

6.  $99 \div 11 = \underline{9}$

7.  $132 \div 6 = \underline{22}$

9.  $\frac{88}{4} = \underline{22}$

10.  $\frac{156}{3} = \underline{52}$

11.  $\frac{430}{86} = \underline{5}$

13.  $18 \overline{)216} \quad \underline{12}$

14.  $12 \overline{)960} \quad \underline{80}$

15.  $9 \overline{)567} \quad \underline{63}$

# Essential Question

How can you use base-ten blocks to model decimal division?

# Lesson Target

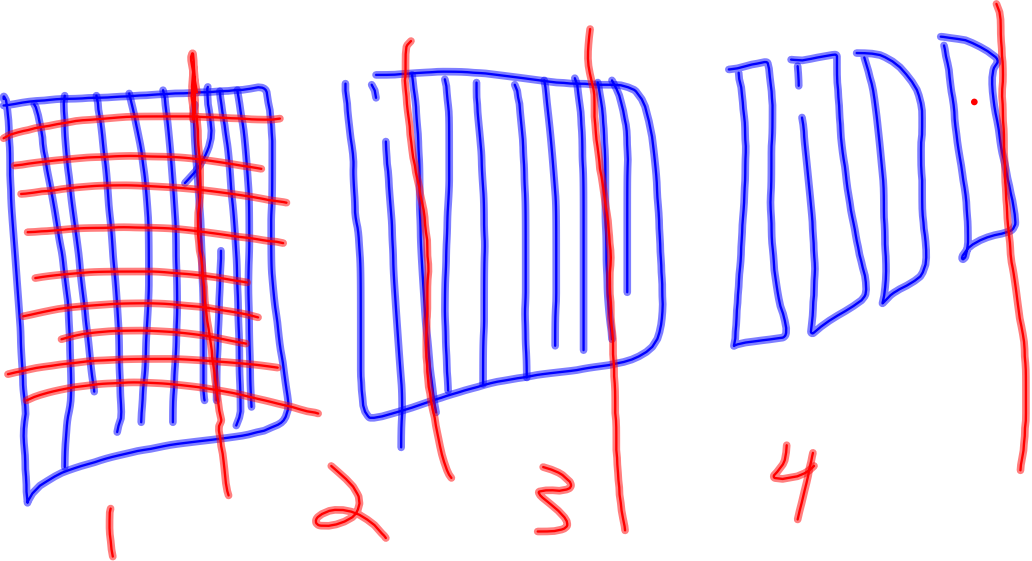
To be able to:

- use base-ten blocks to explore decimal division.

# Self-Evaluation Rubric

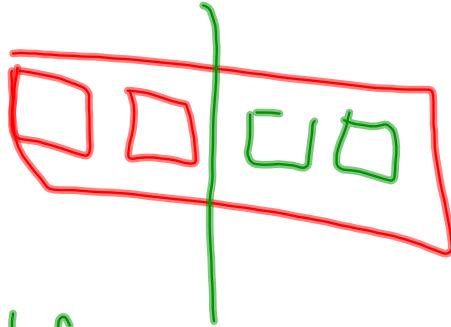
Score	Description
4	I can teach other students how to use base-ten blocks and a formal rule to divide decimals
3	I can use base-ten blocks and a formal rule to divide decimals
2	I recognize how to use base-ten blocks and a formal rule to divide decimals.
1	I do not know how to use base-ten blocks and a formal rule to divide decimals.

# Base-TenBlocks

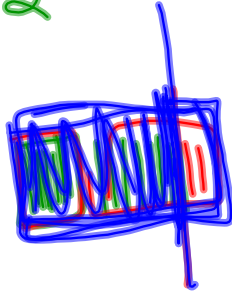


$$2 \div 4 = \frac{1}{2}$$

$$\frac{18}{20}$$



$$1.8 \div 2$$



$$\frac{18}{20} = \frac{9}{10} = .9$$



$$2 \times 10 = 20$$

$$66 \times 10 = 660$$

$$3.5 \times 10 = 35$$

$$\frac{4}{8} = \frac{1}{2}$$

Diagram illustrating the simplification of the fraction  $\frac{4}{8}$  to  $\frac{1}{2}$ . Two curved arrows labeled "4x" indicate that both the numerator (4) and the denominator (8) are divided by 4.

$$\frac{\quad}{\quad}$$

A blank division bar with a decimal point above the bar and a decimal point below the bar, representing a decimal division setup.

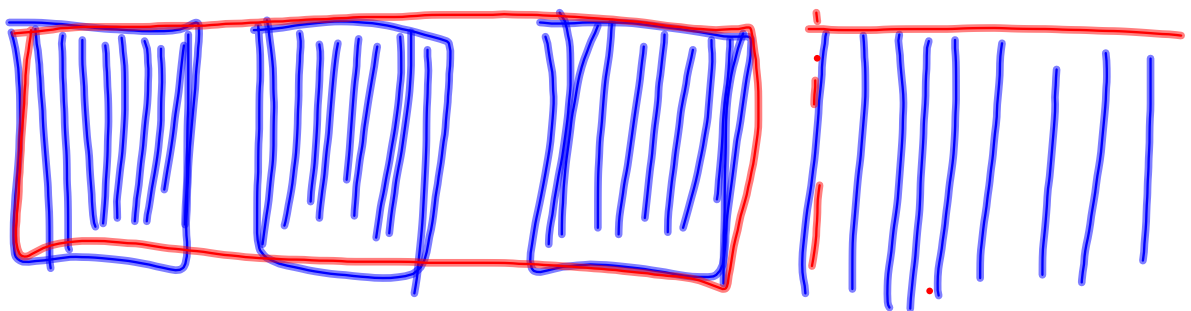
$$\frac{1.8}{2} = \frac{18}{20} = \frac{9}{10} = .9$$

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

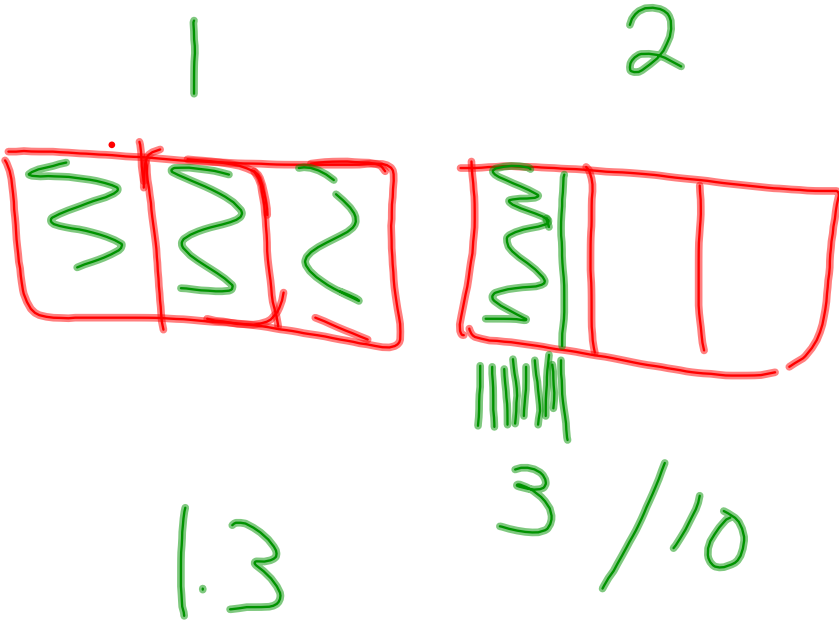
$$\frac{10}{2} = \frac{5}{1} = 5$$

$$1.8 \div 2 = \frac{1.8}{2} = \frac{18}{20}$$

$$\frac{1}{2} = \frac{5}{10}$$



$$3.9 \div 3 = 1\frac{9}{30}$$



## Activities 1&2

With a partner, complete  
Activity 1 & 2 on pages 51 - 53  
in your Big Ideas Record and  
Pracce Journal.

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## Essential Question

How can you use base-ten blocks to model decimal division?



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## LessonTarget

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NO  
Homework