Unit 5, Lesson 24

Divide Decimals by Whole Numbers

Let's divide decimals by whole numbers.

Warm-up

Estimation Exploration: Divide by Whole Numbers

What is the value of $0.42 \div 5$?

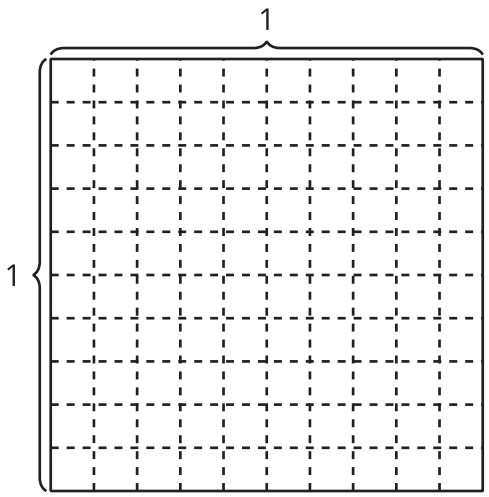
Record an estimate that is:

too low	about right	too high

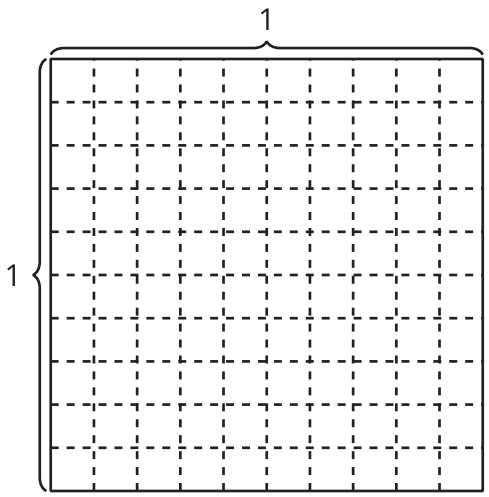
Activity 1

Whole Number Groups

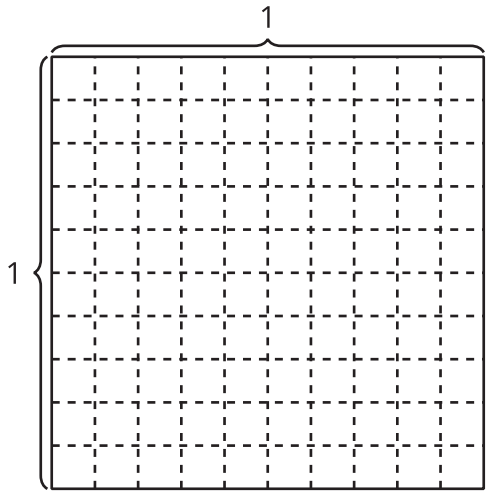
1. Find the value of the expression $0.8 \div 4$. Explain or show your reasoning.



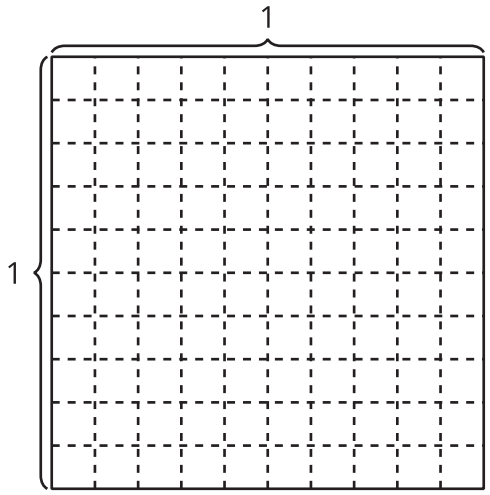
2. Find the value of the expression $0.6 \div 3$. Explain or show your reasoning.



3. Find the value of $0.5 \div 2$. Explain or show your reasoning.



4. Find the value of $0.75 \div 5$. Explain or show your reasoning.



Activity 2

Expressions with Decimal Quotients

1. Find the value of each expression. Explain your reasoning.

   a. $60 \div 5$

   b. $6 \div 5$

   c. $0.6 \div 5$

2. Find the value of each expression. Explain your reasoning.

   a. $0.7 \div 2$

   b. $0.45 \div 5$