



# 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  $0.42 \div 5$ ?

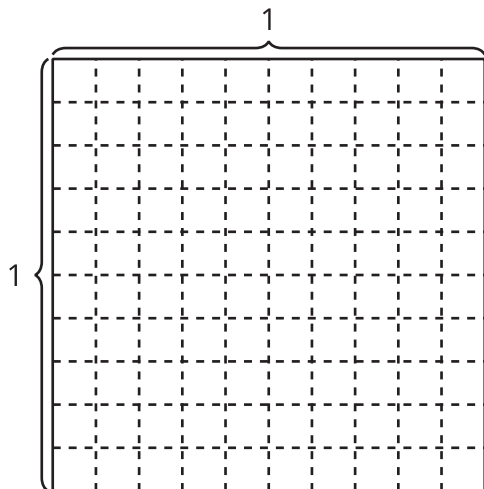
Record an estimate that is:

| too low | about right | too high |
|---------|-------------|----------|
|         |             |          |

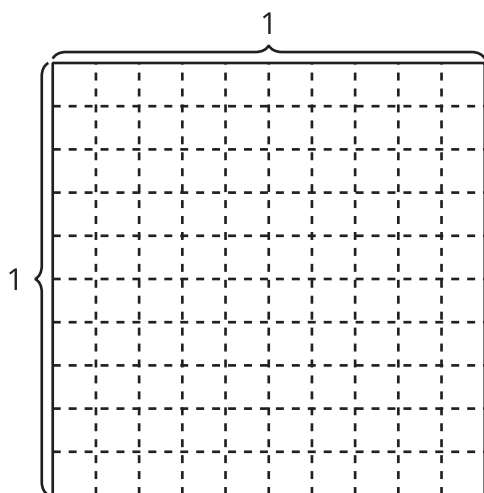
## Activity 1

### Whole Number Groups

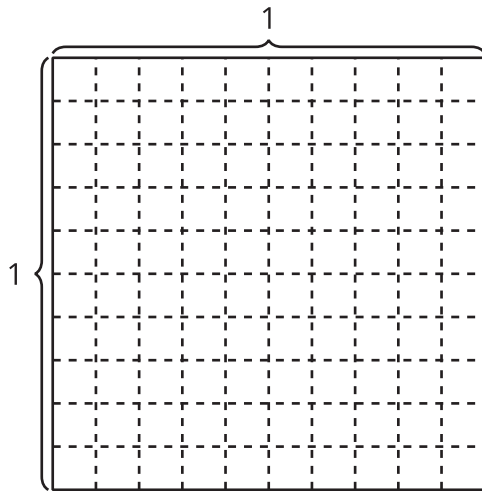
1. Find the value of the expression  $0.8 \div 4$ . Explain or show your reasoning.



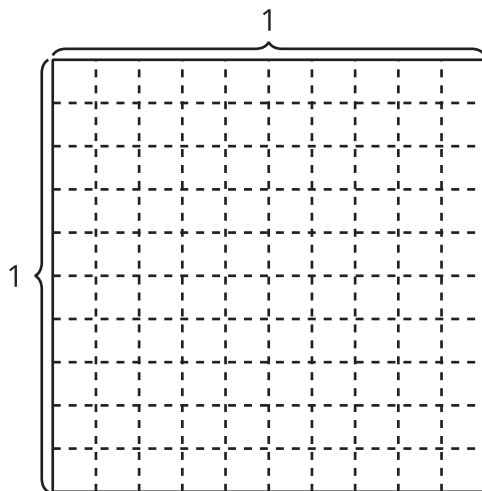
2. Find the value of the expression  $0.6 \div 3$ . Explain or show your reasoning.



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.  $0.45 \div 5$

