

Grade 5 Unit 5

Lesson 25

CC BY 2021 Illustrative Mathematics®

Unit 5 Lesson 25: Divide Decimals by Decimals

WU Number Talk: Same/Different (Warm up)

Student Task Statement

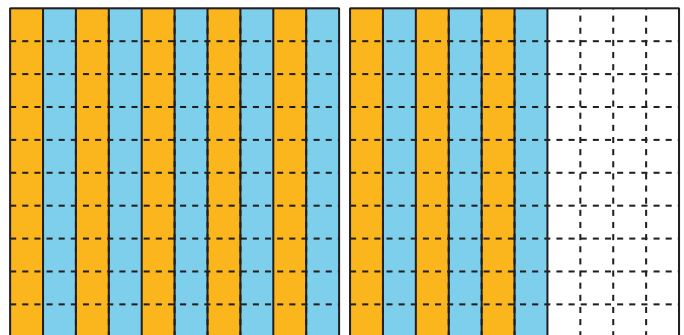
Find the value of each expression mentally.

- $20 \div 2$
- $2 \div 0.2$
- $50 \div 2$
- $5 \div 0.2$

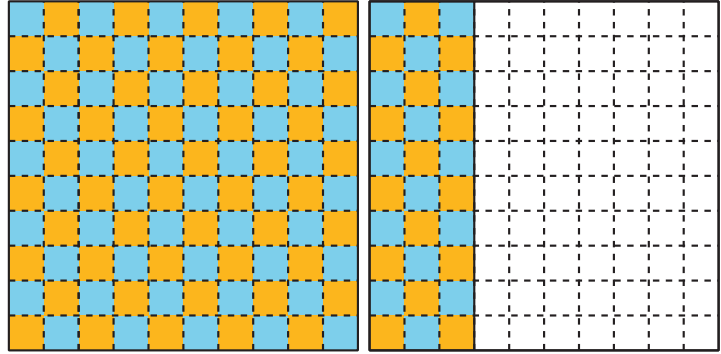
1 Dividing by a Tenth and a Hundredth

Student Task Statement

1. To find the value of $1.6 \div 0.1$, Jada drew this diagram.
 - a. Describe how the diagram shows 1.6.



- b. Describe how the diagram shows 16 groups of 1 tenth.
 - c. Describe how the diagram shows the value of $1.6 \div 0.1$.
 - d. Describe how the diagram also represents the expression $160 \div 10$.
2. Explain how this diagram represents $1.3 \div 0.01$.



a. What is the value of $1.3 \div 0.01$? Explain or show your reasoning.

2 Divide Decimals by Decimals

Student Task Statement

Find the value of each expression. Explain or show your reasoning.

1. $5 \div 0.1$
2. $5 \div 0.01$
3. $0.5 \div 0.1$
4. $0.5 \div 0.01$
5. $0.02 \div 0.01$
6. $1.53 \div 0.01$