

## Grade 5 Unit 5

Lesson 22

CC BY 2021 Illustrative Mathematics®

## Unit 5 Lesson 22: Divide Whole Numbers by 0.1 and 0.01

### WU Number Talk: Remember Division of Unit Fractions (Warm up)

#### Student Task Statement

Find the value of each expression mentally.

- $1 \div \frac{1}{10}$
- $2 \div \frac{1}{10}$
- $1 \div 0.01$
- $2 \div 0.01$

### 1 Patterns in Dividing by Decimal Units

#### Student Task Statement

1. Find the value of each expression. Explain or show your reasoning. Use a diagram if it is helpful.
  - a.  $3 \div 0.1$
  - b.  $3 \div 0.01$
  - c.  $4 \div 0.1$
  - d.  $4 \div 0.01$
2. What patterns do you notice?

### 2 Divide Whole Numbers by Decimals

#### Student Task Statement

1. Describe how you can find the value of any whole number divided by 0.1. Use a diagram if it is helpful.
2. Describe how you can find the value of any whole number divided by 0.01. Use a diagram if it is helpful.

