

Grade 5 Unit 3

Lesson 16

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Unit 3 Lesson 16: Reason About Quotients

WU Estimation Exploration: How Many One Fifths? (Warm up)

Student Task Statement

$$98 \div \frac{1}{5}$$

Record an estimate that is:

too low	about right	too high

1 Greater Than or Less Than 1

Student Task Statement

$$25 \div \frac{1}{5}$$

$$\frac{1}{7} \div 25$$

$$\frac{1}{8} \div 25$$

$$25 \div \frac{1}{7}$$

$$25 \div \frac{1}{8}$$

$$\frac{1}{5} \div 25$$

- Without finding the value of the expressions, write each expression under the correct category.

The value of the expression is less than 1

The value of the expression is greater than 1

- Explain your strategy for determining whether a quotient is less than 1 or greater than 1.

2 Estimate and Divide

Student Task Statement

$$25 \div \frac{1}{5}$$

$$\frac{1}{7} \div 25$$

$$\frac{1}{8} \div 25$$

$$25 \div \frac{1}{7}$$

$$25 \div \frac{1}{8}$$

$$\frac{1}{5} \div 25$$

- Without finding the value of the expressions, put the expressions in order from least to greatest.
- Choose 2 expressions and find the value of the expressions.