## Lesson 16: Reason About Quotients

- Let's apply what we know about division to make sure our answers make sense.


## Warm-up: Estimation Exploration: How Many One Fifths?

$98 \div \frac{1}{5}$
Record an estimate that is:

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

## 16.1: Greater Than or Less Than 1

$25 \div \frac{1}{5}$
$\frac{1}{7} \div 25$
$\frac{1}{8} \div 25$
$25 \div \frac{1}{7}$
$25 \div \frac{1}{8}$
$\frac{1}{5} \div 25$

1. 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
2. Explain your strategy for determining whether a quotient is less than 1 or greater than 1.
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$\qquad$
$\qquad$
$\qquad$

## 16.2: Estimate and Divide

$25 \div \frac{1}{5}$
$\frac{1}{7} \div 25$
$\frac{1}{8} \div 25$
$25 \div \frac{1}{7}$
$25 \div \frac{1}{8}$
$\frac{1}{5} \div 25$

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