## 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?

$98÷\frac{1}{5}$

Record an estimate that is:

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

### 16.1: Greater Than or Less Than 1

$25÷\frac{1}{5}$

$\frac{1}{7}÷25$

$\frac{1}{8}÷25$

$25÷\frac{1}{7}$

$25÷\frac{1}{8}$

$\frac{1}{5}÷25$

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

### 16.2: Estimate and Divide

$25÷\frac{1}{5}$

$\frac{1}{7}÷25$

$\frac{1}{8}÷25$

$25÷\frac{1}{7}$

$25÷\frac{1}{8}$

$\frac{1}{5}÷25$

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.



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