

## Grade 5 Unit 8

Lesson 5

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## Unit 8 Lesson 5: More Division

### WU Estimation Exploration: Large Quotient (Warm up)

Student Task Statement

$$9,953 \div 37$$

Record an estimate that is:

too low	about right	too high

### 1 Elena's Work

Student Task Statement

- Find the value of the quotient.

$$13 \overline{)6,773}$$

- Here is how Elena found the quotient. Is her answer reasonable?

Explain or show your reasoning.

$$\begin{array}{r}
 \boxed{53} \\
 1 \\
 2 \\
 50 \\
 13 \overline{)6773} \\
 \underline{- 650} \quad (50 \times 13) \\
 273 \\
 \underline{- 26} \quad (2 \times 13) \\
 13 \\
 \underline{- 13} \quad (1 \times 13) \\
 0
 \end{array}$$

- 
3. What parts of the work do you agree with? Be prepared to explain your reasoning.
  4. What parts of the work do you disagree with? Be prepared to explain your reasoning.
  5. Look at your solution to problem 1. Is there anything you want to revise? Be prepared to explain.

## 2 Partial Quotients Practice

### Student Task Statement

1. Use partial quotients to find the value of one of the quotients. Be prepared to explain how you found the quotient.

Partner A:

$$37 \overline{)2,516}$$

Partner B:

$$32 \overline{)2,272}$$

2. Explain to your partner how you found the quotient in your problem.

### Activity Synthesis

$$\begin{array}{r} \boxed{71} \\ 1 \\ 70 \\ 32 \overline{)2,272} \\ - 2,240 \\ \hline 32 \\ - 32 \\ \hline 0 \end{array}$$

71

1

10

20

20

20

32  $\overline{)2,272}$

$\underline{- 640}$

1,632

$\underline{- 640}$

992

$\underline{- 640}$

352

$\underline{- 320}$

32

$\underline{- 32}$

0