Unit 8, Lesson 5

More Division

Let's divide.

Warm-up

Estimation Exploration: Large Quotient

$9{,}953 \div 37$

Record an estimate that is:

too low	about right	too high

Activity 1

Elena's Work

1. Find the value of the quotient.

$13\overline{)6,773}$

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

   Explain or show your reasoning.

$$
\begin{array}{rrl}
 & \boxed{53} & \\
 & 1 & \\
 & 2 & \\
 & 50 & \\
13\,) & \overline{6773} & \\
- & 650 & (50 \times 13) \\
\hline
 & 273 & \\
- & 26 & (2 \times 13) \\
\hline
 & 13 & \\
- & 13 & (1 \times 13) \\
\hline
 & 0 &
\end{array}
$$

3. What parts of the work do you agree with?

4. What parts of the work do you disagree with?

5. Look at your solution to problem 1. Is there anything you want to revise? Explain or show your reasoning.

Activity 2

Partial Quotients Practice

1. Use partial quotients to find the value of one of the quotients.

   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.