



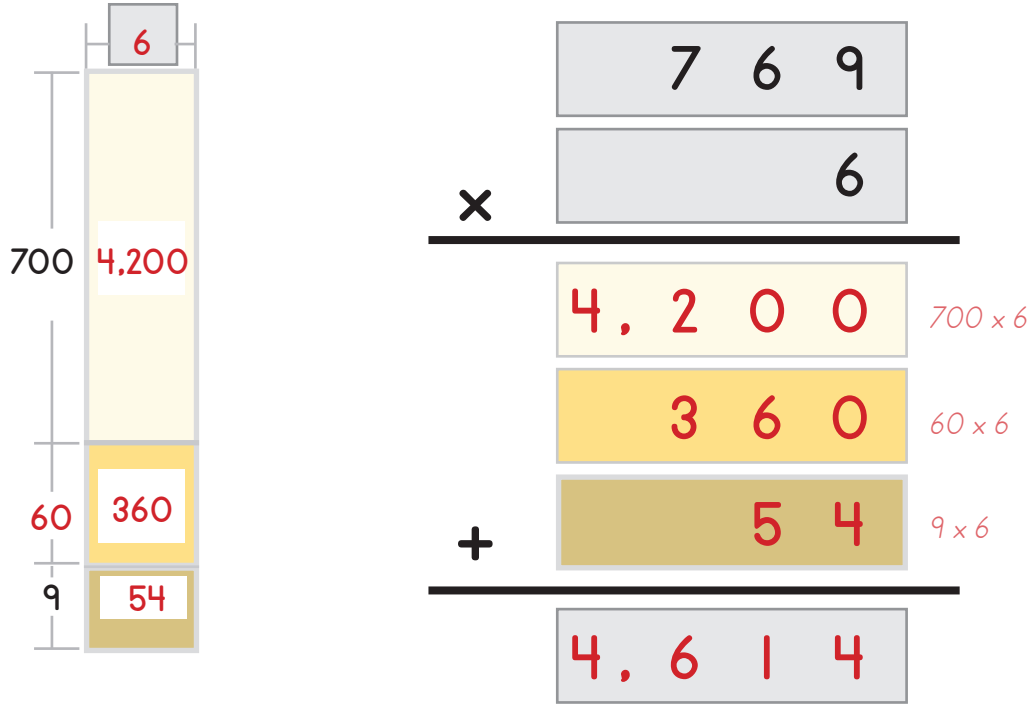
Student: _____

Symphony EXTENSIONS

Date: _____

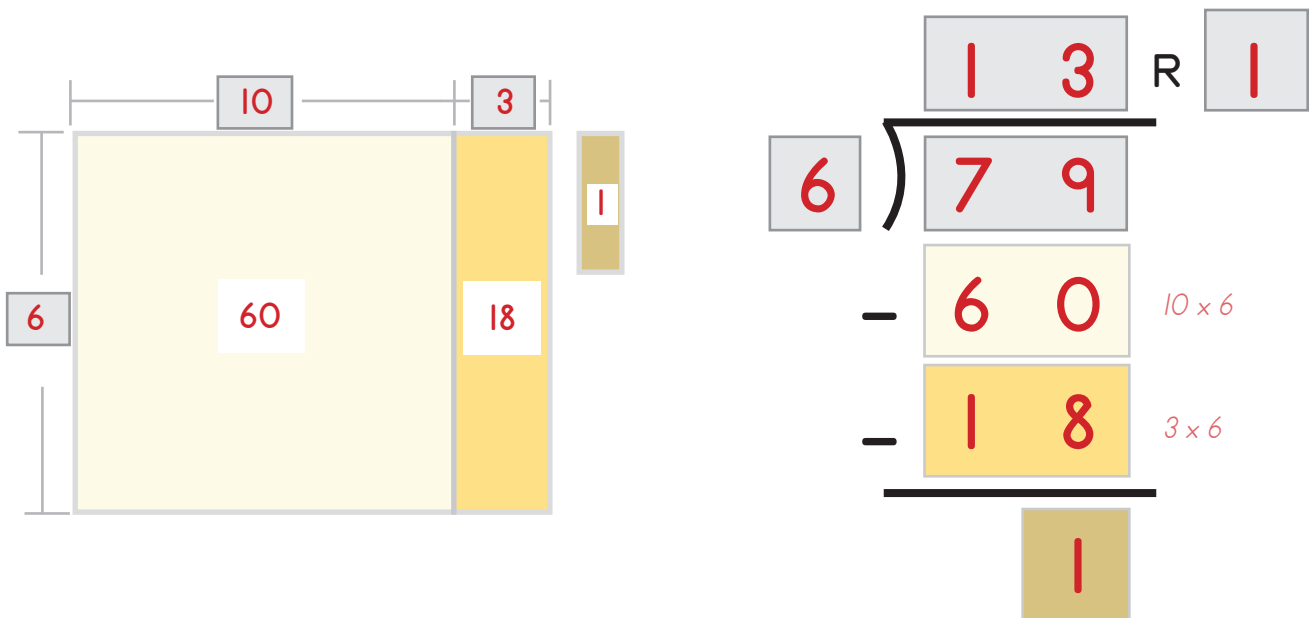
22 | Expanded Mode Mult. / Div.

1. Complete the model and matching equation:



ANSWER KEY

2. Using this model to show how you can find the solution of $79 \div 6$:



3. Brigitte was stuck on this multiplication problem:
Help her find her mistake in her work.

$$\begin{array}{r}
 367 \\
 \times \quad 8 \\
 \hline
 56 \\
 48 \\
 24 \\
 \hline
 128
 \end{array}$$

ANSWER KEY

- A. Where did she go wrong?

Brigitte's partial products are all the result of 8 times a single digit, as if they're all ones. She didn't take place value into account. Therefore, her partial products are off by 10 and 100, making her answer too low.

- B. Solve the problem correctly using a different way:

$$(8 \times 7) + (8 \times 60) + (8 \times 300) = 56 + 480 + 2400 = 2,936$$

4. A school group of 63 students went swimming and tent camping near Mascquaw Lake. At the end of the day, 19 students did not stay overnight and went home.

The teachers needed to figure out how many 5-person tents were needed for the remaining students. They thought 8 was the perfect number of tents to hold all the remaining students.

- A. Were the teachers correct? No

- B. Draw a visual model to help show the solution to this problem:

Responses will vary.

$$63 - 19 = 44$$



- C. How many tents are needed?

$$44 \div 5 = 8 \text{ r}4, \text{ so } 9 \text{ tents are needed}$$