

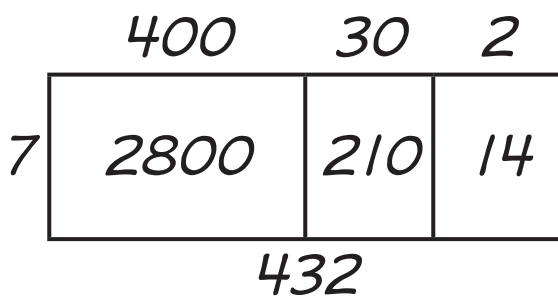
Multiplying in Parts

In the example, a rectangle was drawn to represent the problem. Then partial-products multiplication was used to record the work in a simpler way. Use partial-products multiplication to solve Problems 1 and 2.



Example:

Partitioned Rectangle



Partial-Products Multiplication

$$\begin{array}{r}
 432 \\
 * 7 \\
 \hline
 2800 \\
 210 \\
 + 14 \\
 \hline
 3,024
 \end{array}$$

①

$$\begin{array}{r}
 48 \\
 * 3 \\
 \hline
 \end{array}$$

②

$$\begin{array}{r}
 653 \\
 * 8 \\
 \hline
 \end{array}$$

Practice

Write the numbers in expanded form.

③ 905,603 _____

④ 589,043 _____

⑤ 2,599,002 _____

⑥ 8,003,952 _____