

# Partitioning Rectangles

Solve the multiplication problems by partitioning a rectangle. Then add each part of the rectangle to get the product.



**Example:**  $5 * 72 = \underline{360}$

5	70 350	2 10	$\begin{array}{r} 350 \\ + 10 \\ \hline 360 \end{array}$
	72		

①  $4 * 35 = \underline{140}$

Sample answer:

4	30 120	5 20	$\begin{array}{r} 120 \\ + 20 \\ \hline 140 \end{array}$
	35		

②  $6 * 83 = \underline{498}$

Sample answer:

6	80 480	3 18	$\begin{array}{r} 480 \\ + 18 \\ \hline 498 \end{array}$
	83		

③  $9 * 49 = \underline{441}$

Sample answer:

9	40 360	9 81	$\begin{array}{r} 360 \\ + 81 \\ \hline 441 \end{array}$
	49		

## Practice

Solve using U.S. traditional addition or subtraction.

④  $9,289 + 1,476 = \underline{10,765}$

⑤  $6,503 - 3,547 = \underline{2,956}$

⑥  $5,619 + 5,999 = \underline{11,618}$

⑦  $5,005 - 2,446 = \underline{2,559}$