

2. Linda solved 52×24 using expanded form:

$$\begin{array}{r}
 52 = 50 + 2 \\
 \times 24 = 20 + 4 \\
 \hline
 100 \longleftarrow 50 \times 20 \\
 200 \longleftarrow 50 \times 4 \\
 40 \longleftarrow 2 \times 20 \\
 + 8 \longleftarrow 2 \times 4 \\
 \hline
 348
 \end{array}$$

A. Check Linda's answer by solving 52×24 using the rectangle method.

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B. What mistake did Linda make in solving the problem? Use your rectangle to help explain your answer.