

Name \_\_\_\_\_ Date \_\_\_\_\_

### Measurement Benchmarks Homework #3

Solve the problem using at least two of the following strategies.

$84 \times 26$	$\star$ Estimate: <u>2400</u>
<p>1.</p> $\begin{array}{r} 84 \times 10 = 840 \\ 84 \times 20 = 1680 \\ 84 \times 5 = 420 \\ \hline 84 \times 26 = 2184 \end{array}$ <div style="display: flex; align-items: center; margin-left: 100px;"> <div style="text-align: right; margin-right: 10px;"> <math>\begin{array}{r} 84 \\ 84 \\ 168 \\ \hline 2184 \end{array}</math> </div> <div style="text-align: left;"> <math>\begin{array}{r} 2 \\ 84 \\ 168 \\ \hline 2184 \end{array}</math> </div> </div>	<p>2.</p> $\begin{array}{r} 10 \times 26 = 260 \\ 20 \times 26 = 520 \\ 40 \times 26 = 1040 \\ 80 \times 26 = 2080 \\ 4 \times 20 = 80 \\ 4 \times 6 = 24 \\ \hline 84 \times 26 = 2184 \end{array}$ <div style="margin-left: 100px;"> <math>\begin{array}{r} 20 \\ \times 26 \\ \hline 120 \\ 400 \\ \hline 520 \end{array}</math> </div>
<p>3.</p> <div style="display: flex; justify-content: space-around; margin-bottom: 10px;"> <div style="text-align: center;"> <math>\begin{array}{r} 84 \\ \times 26 \\ \hline \end{array}</math> </div> <div style="text-align: center;"> <math>\begin{array}{r} 80 + 4 \\ \times 20 + 6 \\ \hline \end{array}</math> </div> </div> $\begin{array}{r} 6 \times 4 = 24 \\ 6 \times 80 = 480 \\ 20 \times 4 = 80 \\ 20 \times 80 = + 1600 \\ \hline 84 \times 26 = 2184 \end{array}$	<p>4.</p> <p>My own strategy</p> $\begin{array}{r} 84 \\ \times 26 \\ \hline 504 \\ + 1680 \\ \hline 2184 \end{array}$

Did you get the same answer using your own strategy? Yes or No