

5.NBT Elmer's Multiplication Error

Task

This is Elmer's work on a multiplication problem:

$$\begin{array}{r} 4 5 \\ 3 3 \\ \hline 179 \\ \times \underline{64} \\ \hline 716 \\ + \underline{1,074} \\ \hline 1,790 \end{array}$$

- Use estimation to explain why Elmer's answer is not reasonable.
- What error do you think Elmer made? Why do you think he made that error?
- Find 179×64 using a correct version of Elmer's method. Then show another way of doing it to help Elmer see why your answer is correct.



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