

# Multiplying Decimals

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## Rules:

- 1) You don't have to line up decimals
- 2) It doesn't matter which order you put the numbers.
- 3) Ignore the decimal until the end.
- 4) Multiply normally
  - ↳ Start from the right
  - ↳ Apply the number on the bottom to each # on the top
  - ↳ Carry if necessary
  - ↳ When moving to the next # put a space holder zero
  - ↳ Add
- 5) Put the decimal back
  - ↳ Total # of decimal spaces in the question is the total # of decimals in your answer.

Example:

$$\begin{array}{r} \overset{3}{3}.\overset{2}{651} \\ \times 5 \\ \hline 18.\overset{3}{255} \end{array}$$

3 spaces      3 spaces

Try:

$$\begin{array}{r} \overset{2}{27}.\overset{1}{4} \\ \times 3 \\ \hline 82.\overset{2}{2} \end{array}$$