

Multiplication

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← line up the columns carefully.

$$\begin{array}{r} 29 \\ \times 2 \\ \hline 58 \\ \hline \end{array}$$

NOT

$$\begin{array}{r} 29 \\ \times 2 \\ \hline \hline \hline \end{array}$$

step 1: $2 \times 9 = 18$

step 2: $(2 \times 2 = 4) + 1 \text{ from underneath} = 5$

$$\begin{array}{r} 29 \\ \times 22 \\ \hline 58 \\ + \hline 580 \\ \hline 638 \\ \hline \end{array}$$

step 1: $2 \times 9 = 18$
step 2: $(2 \times 2 = 4) + 1 \text{ under} = 5$
step 3: Add '0' as placeholder
step 4: $2 \times 9 = 18$
step 5: $(2 \times 2 = 4) + 1 \text{ under} = 5$
FINAL STEP: Add the columns.

← placeholder

Multiplication

CHALLENGE!

$$\begin{array}{r} 264 \\ \times 142 \\ \hline 528 \\ \hline 10560 \\ \hline 26400 \\ \hline 37488 \\ + \end{array}$$

Step 1 - 2×4

Step 2 - 2×6

Step 3 - $(2 \times 2) + 1$ from under

Step 4 - placeholder

Step 5 - 4×4

Step 6 - $(4 \times 6) + 1$ from under

Step 7 - $(4 \times 2) + 2$ from under

Step 8 - 2 placeholders

Step 9 - 1×4

Step 10 - 1×6

Step 11 - 1×2

Final step: Add the 3 rows together!