

Two-Digit by Two-Digit Multiplication

Set out. Multiply by the ones digit, then by the tens digit. The tens partial product starts one place to the left. Add the partial products.

SEE ONE

$$\begin{array}{r} 38 \\ \times 71 \\ \hline 38 \\ 2660 \\ \hline 2698 \end{array}$$

Multiply by the ones digit, then by the tens digit. The tens partial product starts one place to the left. Add the partial products.

$$38 \times 71 = 2698$$

TRY THE TRAIL

1

Multiply from right to left.

2

Regroup each place-value amount.

3

Combine the partial products carefully.

Notice this: The second row represents tens, so it cannot begin in the ones place.

Ready? Flip the page and use the same move on each problem.



Two-Digit by Two-Digit Multiplication

Do: Solve each problem. Use the picture or place-value setup when it is shown.

1

$$\begin{array}{r} \times 27 \\ 87 \\ \hline \end{array}$$

2

$$\begin{array}{r} \times 49 \\ 86 \\ \hline \end{array}$$

3

$$\begin{array}{r} \times 64 \\ 42 \\ \hline \end{array}$$

4

$$\begin{array}{r} \times 42 \\ 74 \\ \hline \end{array}$$

5

$$\begin{array}{r} \times 93 \\ 72 \\ \hline \end{array}$$

6

$$\begin{array}{r} \times 72 \\ 93 \\ \hline \end{array}$$

CHECK YOUR TRAIL SENSE

Try this one without help.

$$\begin{array}{r} \times 15 \\ 23 \\ \hline \end{array}$$

One careful line at a time. Accuracy comes before speed.

For the grown-up: Is this row counting ones or tens, and where must it begin? Keep the answers on the separate key page.



Two-Digit by Two-Digit Multiplication

Keep going: Complete all 24. Work straight down each column.

$$\begin{array}{r} 1 \\ \times \quad 49 \\ 36 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ \times \quad 28 \\ 89 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ \times \quad 54 \\ 39 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ \times \quad 39 \\ 22 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ \times \quad 62 \\ 25 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ \times \quad 32 \\ 62 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ \times \quad 74 \\ 44 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ \times \quad 17 \\ 19 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ \times \quad 37 \\ 98 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ \times \quad 55 \\ 23 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 11 \\ \times \quad 55 \\ 95 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 12 \\ \times \quad 87 \\ 95 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 13 \\ \times \quad 52 \\ 49 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 14 \\ \times \quad 32 \\ 11 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 15 \\ \times \quad 77 \\ 74 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 16 \\ \times \quad 74 \\ 96 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 17 \\ \times \quad 28 \\ 83 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 18 \\ \times \quad 98 \\ 92 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 19 \\ \times \quad 95 \\ 23 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 20 \\ \times \quad 19 \\ 64 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 21 \\ \times \quad 46 \\ 75 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 22 \\ \times \quad 22 \\ 42 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 23 \\ \times \quad 45 \\ 45 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 24 \\ \times \quad 75 \\ 64 \\ \hline \\ \hline \end{array}$$

Steady repetition makes the next problem feel familiar.



Two-Digit by Two-Digit Multiplication

Outcome: Your child can multiply two two-digit numbers and combine the partial products.
Readiness: Start here if your child can multiply multi-digit numbers by one digit and understands place value.

GUIDED PAGE ANSWERS

1. 2349 2. 4214 3. 2688 4. 3108 5. 6696 6. 6696 Check. 345

PRACTICE PAGE ANSWERS

1. 1764 2. 2492 3. 2106 4. 858 5. 1550 6. 1984 7. 3256 8. 323
9. 3626 10. 1265 11. 5225 12. 8265 13. 2548 14. 352 15. 5698 16. 7104
17. 2324 18. 9016 19. 2185 20. 1216 21. 3450 22. 924 23. 2025 24. 4800

WATCH FOR

Your child forgets the place-value shift on the tens partial product.

SAY THIS

“Is this row counting ones or tens, and where must it begin?”

NEXT USEFUL TRAIL

Decimal Multiplication

Recipe multiplication.two-digit-by-two-digit-multiplication.a.v1 · Seed 61000

