

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

$$\begin{array}{r} 61 \\ \times 22 \\ \hline 122 \\ 1220 \\ \hline 1342 \end{array}$$

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

$$61 \times 22 = 1342$$

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

$$\begin{array}{r} \times 21 \\ 22 \\ \hline \end{array}$$

2

$$\begin{array}{r} \times 85 \\ 89 \\ \hline \end{array}$$

3

$$\begin{array}{r} \times 90 \\ 32 \\ \hline \end{array}$$

4

$$\begin{array}{r} \times 31 \\ 22 \\ \hline \end{array}$$

5

$$\begin{array}{r} \times 86 \\ 65 \\ \hline \end{array}$$

6

$$\begin{array}{r} \times 22 \\ 98 \\ \hline \end{array}$$

CHECK YOUR TRAIL SENSE

Try this one without help.

$$\begin{array}{r} \times 87 \\ 15 \\ \hline \end{array}$$

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.

$$\begin{array}{r} 1 \\ \times \quad 70 \\ 21 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ \times \quad 29 \\ 48 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ \times \quad 31 \\ 56 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ \times \quad 15 \\ 88 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ \times \quad 32 \\ 59 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ \times \quad 82 \\ 11 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ \times \quad 95 \\ 26 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ \times \quad 83 \\ 12 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ \times \quad 36 \\ 92 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ \times \quad 70 \\ 45 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 11 \\ \times \quad 42 \\ 48 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 12 \\ \times \quad 39 \\ 51 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 13 \\ \times \quad 29 \\ 22 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 14 \\ \times \quad 51 \\ 21 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 15 \\ \times \quad 49 \\ 37 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 16 \\ \times \quad 19 \\ 35 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 17 \\ \times \quad 68 \\ 13 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 18 \\ \times \quad 64 \\ 98 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 19 \\ \times \quad 11 \\ 85 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 20 \\ \times \quad 74 \\ 86 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 21 \\ \times \quad 16 \\ 14 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 22 \\ \times \quad 44 \\ 79 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 23 \\ \times \quad 46 \\ 53 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 24 \\ \times \quad 49 \\ 82 \\ \hline \\ \hline \end{array}$$

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. 462 2. 7565 3. 2880 4. 682 5. 5590 6. 2156 **Check.** 1305

PRACTICE PAGE ANSWERS

1. 1470 2. 1392 3. 1736 4. 1320 5. 1888 6. 902 7. 2470 8. 996
9. 3312 10. 3150 11. 2016 12. 1989 13. 638 14. 1071 15. 1813 16. 665
17. 884 18. 6272 19. 935 20. 6364 21. 224 22. 3476 23. 2438 24. 4018

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.b.v1 · Seed 62009

