

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

$$\begin{array}{r} 70 \\ \times 36 \\ \hline 420 \\ 2100 \\ \hline 2520 \end{array}$$

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

$$70 \times 36 = 2520$$

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

$$\begin{array}{r} \times \quad 99 \\ 56 \\ \hline \end{array}$$

2

$$\begin{array}{r} \times \quad 23 \\ 11 \\ \hline \end{array}$$

3

$$\begin{array}{r} \times \quad 40 \\ 97 \\ \hline \end{array}$$

4

$$\begin{array}{r} \times \quad 56 \\ 52 \\ \hline \end{array}$$

5

$$\begin{array}{r} \times \quad 84 \\ 32 \\ \hline \end{array}$$

6

$$\begin{array}{r} \times \quad 21 \\ 87 \\ \hline \end{array}$$

CHECK YOUR TRAIL SENSE

Try this one without help.

$$\begin{array}{r} \times \quad 67 \\ 98 \\ \hline \end{array}$$

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.

$$\begin{array}{r} 1 \\ \times \quad 17 \\ 84 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ \times \quad 15 \\ 14 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ \times \quad 24 \\ 41 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ \times \quad 45 \\ 31 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ \times \quad 52 \\ 16 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ \times \quad 40 \\ 99 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ \times \quad 73 \\ 97 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ \times \quad 53 \\ 52 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ \times \quad 36 \\ 22 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ \times \quad 62 \\ 38 \\ \hline \end{array}$$

$$\begin{array}{r} 11 \\ \times \quad 68 \\ 75 \\ \hline \end{array}$$

$$\begin{array}{r} 12 \\ \times \quad 53 \\ 51 \\ \hline \end{array}$$

$$\begin{array}{r} 13 \\ \times \quad 15 \\ 76 \\ \hline \end{array}$$

$$\begin{array}{r} 14 \\ \times \quad 14 \\ 52 \\ \hline \end{array}$$

$$\begin{array}{r} 15 \\ \times \quad 63 \\ 95 \\ \hline \end{array}$$

$$\begin{array}{r} 16 \\ \times \quad 57 \\ 57 \\ \hline \end{array}$$

$$\begin{array}{r} 17 \\ \times \quad 59 \\ 65 \\ \hline \end{array}$$

$$\begin{array}{r} 18 \\ \times \quad 90 \\ 18 \\ \hline \end{array}$$

$$\begin{array}{r} 19 \\ \times \quad 65 \\ 29 \\ \hline \end{array}$$

$$\begin{array}{r} 20 \\ \times \quad 29 \\ 52 \\ \hline \end{array}$$

$$\begin{array}{r} 21 \\ \times \quad 24 \\ 79 \\ \hline \end{array}$$

$$\begin{array}{r} 22 \\ \times \quad 17 \\ 65 \\ \hline \end{array}$$

$$\begin{array}{r} 23 \\ \times \quad 40 \\ 76 \\ \hline \end{array}$$

$$\begin{array}{r} 24 \\ \times \quad 99 \\ 86 \\ \hline \end{array}$$

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. 5544 2. 253 3. 3880 4. 2912 5. 2688 6. 1827 Check. 6566

PRACTICE PAGE ANSWERS

1. 1428 2. 210 3. 984 4. 1395 5. 832 6. 3960 7. 7081 8. 2756
9. 792 10. 2356 11. 5100 12. 2703 13. 1140 14. 728 15. 5985 16. 3249
17. 3835 18. 1620 19. 1885 20. 1508 21. 1896 22. 1105 23. 3040 24. 8514

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

