

4-Digit by 2-Digit Multiplication

Name: _____

Grade 5 · Multiply a 4-digit number by a 2-digit number

Worked example

$$\begin{array}{r} 2,315 \\ \times \quad 42 \\ \hline 4,630 \\ 92,600 \\ \hline 97,230 \end{array}$$

Multiply by the ones, then by the tens, then add the two parts.

Ones: $2 \times 2,315 = 4,630$.

Tens: $40 \times 2,315 = 92,600$. Write a 0 in the ones place first, because you are multiplying by tens.

Add: $4,630 + 92,600 = 97,230$.

1.

$$\begin{array}{r} 1,234 \\ \times \quad 21 \\ \hline \end{array}$$

2.

$$\begin{array}{r} 2,105 \\ \times \quad 34 \\ \hline \end{array}$$

3.

$$\begin{array}{r} 3,416 \\ \times \quad 25 \\ \hline \end{array}$$

4.

$$\begin{array}{r} 4,082 \\ \times \quad 43 \\ \hline \end{array}$$

5.

$$\begin{array}{r} 5,327 \\ \times \quad 62 \\ \hline \end{array}$$

6.

$$\begin{array}{r} 6,209 \\ \times \quad 57 \\ \hline \end{array}$$

7.

$$\begin{array}{r} 7,518 \\ \times \quad 36 \\ \hline \end{array}$$

8.

$$\begin{array}{r} 8,640 \\ \times \quad 79 \\ \hline \end{array}$$

9.

$$\begin{array}{r} 9,273 \\ \times \quad 84 \\ \hline \end{array}$$

4-Digit by 2-Digit Multiplication (Answer Key)

Grade 5 · Multiply a 4-digit number by a 2-digit number

Worked example

$$\begin{array}{r} 2,315 \\ \times \quad 42 \\ \hline 4,630 \\ 92,600 \\ \hline 97,230 \end{array}$$

Multiply by the ones, then by the tens, then add the two parts.

Ones: $2 \times 2,315 = 4,630$.

Tens: $40 \times 2,315 = 92,600$. Write a 0 in the ones place first, because you are multiplying by tens.

Add: $4,630 + 92,600 = 97,230$.

1.

$$\begin{array}{r} 1,234 \\ \times \quad 21 \\ \hline 1,234 \\ 24,680 \\ \hline 25,914 \end{array}$$

2.

$$\begin{array}{r} 2,105 \\ \times \quad 34 \\ \hline 8,420 \\ 63,150 \\ \hline 71,570 \end{array}$$

3.

$$\begin{array}{r} 3,416 \\ \times \quad 25 \\ \hline 17,080 \\ 68,320 \\ \hline 85,400 \end{array}$$

4.

$$\begin{array}{r} 4,082 \\ \times \quad 43 \\ \hline 12,246 \\ 163,280 \\ \hline 175,526 \end{array}$$

5.

$$\begin{array}{r} 5,327 \\ \times \quad 62 \\ \hline 10,654 \\ 319,620 \\ \hline 330,274 \end{array}$$

6.

$$\begin{array}{r} 6,209 \\ \times \quad 57 \\ \hline 43,463 \\ 310,450 \\ \hline 353,913 \end{array}$$

7.

$$\begin{array}{r} 7,518 \\ \times \quad 36 \\ \hline 45,108 \\ 225,540 \\ \hline 270,648 \end{array}$$

8.

$$\begin{array}{r} 8,640 \\ \times \quad 79 \\ \hline 77,760 \\ 604,800 \\ \hline 682,560 \end{array}$$

9.

$$\begin{array}{r} 9,273 \\ \times \quad 84 \\ \hline 37,092 \\ 741,840 \\ \hline 778,932 \end{array}$$