

4-Digit by 1-Digit Multiplication

Name: _____

Grade 4 · Multiply a 4-digit number by a 1-digit number

Worked example

$$\begin{array}{r} 2,315 \\ \times \quad 4 \\ \hline 9,260 \end{array}$$

Break 2,315 into **2,000 + 300 + 10 + 5** and multiply each part by 4.

$$4 \times 5 = 20$$

$$4 \times 10 = 40$$

$$4 \times 300 = 1,200$$

$$4 \times 2,000 = 8,000$$

$$\text{Add the parts: } 20 + 40 + 1,200 + 8,000 = 9,260.$$

1.

$$\begin{array}{r} 1,243 \\ \times \quad 3 \\ \hline \end{array}$$

2.

$$\begin{array}{r} 2,106 \\ \times \quad 4 \\ \hline \end{array}$$

3.

$$\begin{array}{r} 3,518 \\ \times \quad 2 \\ \hline \end{array}$$

4.

$$\begin{array}{r} 4,072 \\ \times \quad 6 \\ \hline \end{array}$$

5.

$$\begin{array}{r} 5,364 \\ \times \quad 5 \\ \hline \end{array}$$

6.

$$\begin{array}{r} 6,209 \\ \times \quad 7 \\ \hline \end{array}$$

7.

$$\begin{array}{r} 1,875 \\ \times \quad 8 \\ \hline \end{array}$$

8.

$$\begin{array}{r} 7,430 \\ \times \quad 9 \\ \hline \end{array}$$

9.

$$\begin{array}{r} 2,968 \\ \times \quad 6 \\ \hline \end{array}$$

10.

$$\begin{array}{r} 8,057 \\ \times \quad 4 \\ \hline \end{array}$$

11.

$$\begin{array}{r} 9,146 \\ \times \quad 7 \\ \hline \end{array}$$

12.

$$\begin{array}{r} 3,789 \\ \times \quad 9 \\ \hline \end{array}$$

4-Digit by 1-Digit Multiplication (Answer Key)

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$$\text{Add the parts: } 20 + 40 + 1,200 + 8,000 = 9,260.$$

1.

$$\begin{array}{r} 1,243 \\ \times \quad 3 \\ \hline 3,729 \end{array}$$

$3 \times 3 = 9$
 $3 \times 40 = 120$
 $3 \times 200 = 600$
 $3 \times 1,000 = 3,000$

2.

$$\begin{array}{r} 2,106 \\ \times \quad 4 \\ \hline 8,424 \end{array}$$

$4 \times 6 = 24$
 $4 \times 100 = 400$
 $4 \times 2,000 = 8,000$

3.

$$\begin{array}{r} 3,518 \\ \times \quad 2 \\ \hline 7,036 \end{array}$$

$2 \times 8 = 16$
 $2 \times 10 = 20$
 $2 \times 500 = 1,000$
 $2 \times 3,000 = 6,000$

4.

$$\begin{array}{r} 4,072 \\ \times \quad 6 \\ \hline 24,432 \end{array}$$

$6 \times 2 = 12$
 $6 \times 70 = 420$
 $6 \times 4,000 = 24,000$

5.

$$\begin{array}{r} 5,364 \\ \times \quad 5 \\ \hline 26,820 \end{array}$$

$5 \times 4 = 20$
 $5 \times 60 = 300$
 $5 \times 300 = 1,500$
 $5 \times 5,000 = 25,000$

6.

$$\begin{array}{r} 6,209 \\ \times \quad 7 \\ \hline 43,463 \end{array}$$

$7 \times 9 = 63$
 $7 \times 200 = 1,400$
 $7 \times 6,000 = 42,000$

7.

$$\begin{array}{r} 1,875 \\ \times \quad 8 \\ \hline 15,000 \end{array}$$

$8 \times 5 = 40$
 $8 \times 70 = 560$
 $8 \times 800 = 6,400$
 $8 \times 1,000 = 8,000$

8.

$$\begin{array}{r} 7,430 \\ \times \quad 9 \\ \hline 66,870 \end{array}$$

$9 \times 30 = 270$
 $9 \times 400 = 3,600$
 $9 \times 7,000 = 63,000$

9.

$$\begin{array}{r} 2,968 \\ \times \quad 6 \\ \hline 17,808 \end{array}$$

$6 \times 8 = 48$
 $6 \times 60 = 360$
 $6 \times 900 = 5,400$
 $6 \times 2,000 = 12,000$

10.

$$\begin{array}{r} 8,057 \\ \times \quad 4 \\ \hline 32,228 \end{array}$$

$4 \times 7 = 28$
 $4 \times 50 = 200$
 $4 \times 8,000 = 32,000$

11.

$$\begin{array}{r} 9,146 \\ \times \quad 7 \\ \hline 64,022 \end{array}$$

$7 \times 6 = 42$
 $7 \times 40 = 280$
 $7 \times 100 = 700$
 $7 \times 9,000 = 63,000$

12.

$$\begin{array}{r} 3,789 \\ \times \quad 9 \\ \hline 34,101 \end{array}$$

$9 \times 9 = 81$
 $9 \times 80 = 720$
 $9 \times 700 = 6,300$
 $9 \times 3,000 = 27,000$