Multiplication in columns — Key

4 digits × 2 digits · no regrouping

Use the matching edition. Other correct methods are valid.

Multiply by the ones, then by the tens. Add the two partial products.

1.

$$\begin{array}{r} 3102 \\ \times\ 21 \\ \hline 3102 \\ +\ 62040 \\ \hline 65142 \end{array}$$

3102 × 21 = 65,142

2.

$$\begin{array}{r} 3003 \\ \times\ 31 \\ \hline 3003 \\ +\ 90090 \\ \hline 93093 \end{array}$$

3003 × 31 = 93,093

3.

$$\begin{array}{r} 1213 \\ \times\ 23 \\ \hline 3639 \\ +\ 24260 \\ \hline 27899 \end{array}$$

1213 × 23 = 27,899

4.

$$\begin{array}{r} 1021 \\ \times\ 42 \\ \hline 2042 \\ +\ 40840 \\ \hline 42882 \end{array}$$

1021 × 42 = 42,882

5.

$$\begin{array}{r} 1010 \\ \times\ 41 \\ \hline 1010 \\ +\ 40400 \\ \hline 41410 \end{array}$$

1010 × 41 = 41,410

6.

$$\begin{array}{r} 1022 \\ \times\ 22 \\ \hline 2044 \\ +\ 20440 \\ \hline 22484 \end{array}$$

1022 × 22 = 22,484

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Multiplication in columns — Key

4 digits × 2 digits · no regrouping

Use the matching edition. Other correct methods are valid.

Multiply by the ones, then by the tens. Add the two partial products.

1.

$$\begin{array}{r} 2112 \\ \times \quad 41 \\ \hline 2112 \\ +\ 84480 \\ \hline 86592 \end{array}$$

2112 × 41 = 86,592

2.

$$\begin{array}{r} 3020 \\ \times \quad 32 \\ \hline 6040 \\ +\ 90600 \\ \hline 96640 \end{array}$$

3020 × 32 = 96,640

3.

$$\begin{array}{r} 1201 \\ \times \quad 14 \\ \hline 4804 \\ +\ 12010 \\ \hline 16814 \end{array}$$

1201 × 14 = 16,814

4.

$$\begin{array}{r} 1110 \\ \times \quad 21 \\ \hline 1110 \\ +\ 22200 \\ \hline 23310 \end{array}$$

1110 × 21 = 23,310

5.

$$\begin{array}{r} 9062 \\ \times \quad 11 \\ \hline 9062 \\ +\ 90620 \\ \hline 99682 \end{array}$$

9062 × 11 = 99,682

6.

$$\begin{array}{r} 1020 \\ \times \quad 33 \\ \hline 3060 \\ +\ 30600 \\ \hline 33660 \end{array}$$

1020 × 33 = 33,660

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Multiplication in columns — Key

4 digits × 2 digits · no regrouping

Use the matching edition. Other correct methods are valid.

Multiply by the ones, then by the tens. Add the two partial products.

1.

```
  1200
×   14
------
  4800
+ 12000
------
 16800
```

1200 × 14 = 16,800

2.

```
  1311
×   22
------
  2622
+ 26220
------
 28842
```

1311 × 22 = 28,842

3.

```
  2140
×   21
------
  2140
+ 42800
------
 44940
```

2140 × 21 = 44,940

4.

```
  1001
×   32
------
  2002
+ 30030
------
 32032
```

1001 × 32 = 32,032

5.

```
  3003
×   33
------
  9009
+ 90090
------
 99099
```

3003 × 33 = 99,099

6.

```
  1013
×   13
------
  3039
+ 10130
------
 13169
```

1013 × 13 = 13,169

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Multiplication in columns — Key

4 digits × 2 digits · no regrouping

Use the matching edition. Other correct methods are valid.

Multiply by the ones, then by the tens. Add the two partial products.

1.

$$\begin{array}{r} 2100 \\ \times\ \ 14 \\ \hline 8400 \\ +\ 21000 \\ \hline 29400 \end{array}$$

2100 × 14 = 29,400

2.

$$\begin{array}{r} 2302 \\ \times\ \ 13 \\ \hline 6906 \\ +\ 23020 \\ \hline 29926 \end{array}$$

2302 × 13 = 29,926

3.

$$\begin{array}{r} 1300 \\ \times\ \ 23 \\ \hline 3900 \\ +\ 26000 \\ \hline 29900 \end{array}$$

1300 × 23 = 29,900

4.

$$\begin{array}{r} 4236 \\ \times\ \ 11 \\ \hline 4236 \\ +\ 42360 \\ \hline 46596 \end{array}$$

4236 × 11 = 46,596

5.

$$\begin{array}{r} 2101 \\ \times\ \ 42 \\ \hline 4202 \\ +\ 84040 \\ \hline 88242 \end{array}$$

2101 × 42 = 88,242

6.

$$\begin{array}{r} 1031 \\ \times\ \ 31 \\ \hline 1031 \\ +\ 30930 \\ \hline 31961 \end{array}$$

1031 × 31 = 31,961

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Multiplication in columns — Key

4 digits × 2 digits · no regrouping

Use the matching edition. Other correct methods are valid.

Multiply by the ones, then by the tens. Add the two partial products.

1.

		3	0	2	0
×			3	3
		9	0	6	0
+	9	0	6	0	0
	9	9	6	6	0

3020 × 33 = 99,660

2.

		1	1	0	3
×			1	3
		3	3	0	9
+	1	1	0	3	0
	1	4	3	3	9

1103 × 13 = 14,339

3.

		3	0	3	1
×			3	2
		6	0	6	2
+	9	0	9	3	0
	9	6	9	9	2

3031 × 32 = 96,992

4.

		2	1	2	0
×			4	1
		2	1	2	0
+	8	4	8	0	0
	8	6	9	2	0

2120 × 41 = 86,920

5.

		1	1	0	2
×			2	3
		3	3	0	6
+	2	2	0	4	0
	2	5	3	4	6

1102 × 23 = 25,346

6.

		1	1	1	2
×			1	4
		4	4	4	8
+	1	1	1	2	0
	1	5	5	6	8

1112 × 14 = 15,568

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