Name:

Date:

Multi-Digit Multiplication - Part 2

1

$$\begin{array}{r} 43 \\ \times\ 25 \\ \hline \end{array}$$

2

$$\begin{array}{r} 12 \\ \times\ 12 \\ \hline \end{array}$$

3

$$\begin{array}{r} 237 \\ \times\ 50 \\ \hline \end{array}$$

4

$$\begin{array}{r} 612 \\ \times\ 48 \\ \hline \end{array}$$

5

$$\begin{array}{r} 824 \\ \times\ 316 \\ \hline \end{array}$$

6

$$\begin{array}{r} 1{,}294 \\ \times\ 302 \\ \hline \end{array}$$

Name: _____

Date: _____

Multi-Digit Multiplication - Part 2

1

```
   1
   43
 × 25
  215
+ 860
 1,075
```

2

```
   12
 × 12
   24
+ 120
  144
```

3

```
   13
  237
 × 50
  000
+11850
 11,850
```

4

```
    1
   11
  612
 × 48
 4896
+24480
 29,376
```

5

```
    1
   18
   12
  824
 × 316
  4944
 ²8240
+247200
 260,384
```

6

```
   2 1
   1
 1,294
 × 302
 ¹2588
 00000
+388200
 390,788
```

See Video for step-by-step
solutions to each problem.

Name: _____

Date: _____

Multiplying 2-Digit Numbers (with guides)

Instructions: Multiply these numbers.

Example

The 2 got carried and then was crossed off after it wass added to the answer from 4 x 1

This 1 got carried from multiplying the second bottom digit. (2 x 7 = 14)

$$
\begin{array}{r}
1 \\
\cancel{2} \\
17 \\
\times\ 24 \\
\hline
1\,68 \\
+\ 3\,4\,0 \\
\hline
4\,0\,8
\end{array}
$$

This 1 got carried during the addition we did to get the final answer

1
$$
\begin{array}{r}
23 \\
\times\ 12 \\
\hline
\square\square \\
+\ \square\,0 \\
\hline
\square\square\square
\end{array}
$$

2
$$
\begin{array}{r}
12 \\
\times\ 35 \\
\hline
\square\square \\
+\ \square\,0 \\
\hline
\square\square\square
\end{array}
$$

3
$$
\begin{array}{r}
18 \\
\times\ 13 \\
\hline
\square\square \\
+\ \square\,0 \\
\hline
\square\square\square
\end{array}
$$

4
$$
\begin{array}{r}
42 \\
\times\ 16 \\
\hline
\square\square \\
+\ \square\,0 \\
\hline
\square\square\square
\end{array}
$$

5
$$
\begin{array}{r}
47 \\
\times\ 26 \\
\hline
\square\square \\
+\ \square\,0 \\
\hline
\square\square\square\square
\end{array}
$$

6
$$
\begin{array}{r}
42 \\
\times\ 58 \\
\hline
\square\square \\
+\ \square\,0 \\
\hline
\square\square\square\square
\end{array}
$$

Math Antics Worksheets

Multiplying 2-digit numbers by 3-digit numbers (with guides)   A–MM 2

Instructions: Multiply these numbers.

Example

$$
\begin{array}{r}
^{2\ 4}_{1\ 2} \\
248 \\
\times\ \ 53 \\
\hline
^{1}744 \\
+\ 12400 \\
\hline
13144
\end{array}
$$

Don't forget to cross off the digits you carry from the first answer line after you are finished with them.

1
$$
\begin{array}{r}
186 \\
\times\ \ 43
\end{array}
$$

2
$$
\begin{array}{r}
507 \\
\times\ \ 83
\end{array}
$$

3
$$
\begin{array}{r}
612 \\
\times\ \ 37
\end{array}
$$

4
$$
\begin{array}{r}
429 \\
\times\ \ 35
\end{array}
$$

5
$$
\begin{array}{r}
722 \\
\times\ \ 56
\end{array}
$$

6
$$
\begin{array}{r}
365 \\
\times\ \ 24
\end{array}
$$

![Math Antics Worksheets logo]

Multiplying by a 3-Digit Number (with guides)

Instructions: Multiply these numbers.

Example

$$
\begin{array}{r}
{}^{2}\;{}^{1} \\
{}^{1} \\
653 \\
\times 432 \\
\hline
{}^{1}1306 \\
1959\,0 \\
+\,2612\,00 \\
\hline
282096 \\
\end{array}
$$

Because we have 3 answers, there are 3 sets of carried digits.

Remember, our third answer line needs two zeros so that it's 100 times bigger.

1
$$
\begin{array}{r}
172 \\
\times 325 \\
\hline
 \\
0 \\
+00 \\
\hline
 \\
\end{array}
$$

2
$$
\begin{array}{r}
637 \\
\times 204 \\
\hline
 \\
0 \\
+00 \\
\hline
 \\
\end{array}
$$

3
$$
\begin{array}{r}
508 \\
\times 463 \\
\hline
 \\
0 \\
+00 \\
\hline
 \\
\end{array}
$$

4
$$
\begin{array}{r}
1,217 \\
\times\;\;539 \\
\hline
 \\
0 \\
+00 \\
\hline
 \\
\end{array}
$$

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Math Antics Worksheets

Name: _____

Date: _____

Multi-Digit Multiplication Practice

Instructions: Multiply these numbers.

1
$$
\begin{array}{r}
\overset{\overset{1}{2}}{} \\
48 \\
\times\ 23 \\
\hline
1\,44 \\
+\ 960 \\
\hline
1{,}104
\end{array}
$$

2
$$
\begin{array}{r}
37 \\
\times\ 75 \\
\hline
\end{array}
$$

3
$$
\begin{array}{r}
98 \\
\times\ 41 \\
\hline
\end{array}
$$

4
$$
\begin{array}{r}
52 \\
\times\ 16 \\
\hline
\end{array}
$$

5
$$
\begin{array}{r}
86 \\
\times\ 43 \\
\hline
\end{array}
$$

6
$$
\begin{array}{r}
135 \\
\times\ 94 \\
\hline
\end{array}
$$

7
$$
\begin{array}{r}
605 \\
\times\ 26 \\
\hline
\end{array}
$$

8
$$
\begin{array}{r}
514 \\
\times\ 72 \\
\hline
\end{array}
$$

9
$$
\begin{array}{r}
371 \\
\times\ 54 \\
\hline
\end{array}
$$

Multiplying 2-Digit Numbers (with guides)

Instructions: Multiply these numbers.

Example

The 2 got carried and then was crossed off after it wass added to the answer from 4 x 1

This 1 got carried from multiplying the second bottom digit. (2 x 7 = 14)

This 1 got carried during the addition we did to get the final answer

$$
\begin{array}{r}
17 \\
\times\ 24 \\
\hline
168 \\
+\ 340 \\
\hline
408
\end{array}
$$

1
$$
\begin{array}{r}
23 \\
\times\ 12 \\
\hline
46 \\
+\ 230 \\
\hline
276
\end{array}
$$

2
$$
\begin{array}{r}
12 \\
\times\ 35 \\
\hline
60 \\
+\ 360 \\
\hline
420
\end{array}
$$

3
$$
\begin{array}{r}
18 \\
\times\ 13 \\
\hline
54 \\
+\ 180 \\
\hline
234
\end{array}
$$

4
$$
\begin{array}{r}
42 \\
\times\ 16 \\
\hline
252 \\
+\ 420 \\
\hline
672
\end{array}
$$

5
$$
\begin{array}{r}
47 \\
\times\ 26 \\
\hline
282 \\
+\ 940 \\
\hline
1222
\end{array}
$$

6
$$
\begin{array}{r}
42 \\
\times\ 58 \\
\hline
336 \\
+\ 2100 \\
\hline
2436
\end{array}
$$

Math Antics Worksheets

Multiplying 2-digit numbers by 3-digit numbers (with guides)   A–MM 2

Instructions: Multiply these numbers.

Example

```
      2 4
      1 2
     248
   ×  53
      1
     744
  +12400
   13144
```

Don't forget to cross off the digits you carry from the first answer line after you are finished with them.

1
```
   3 2
   2 1
  186
 × 43
  558
+7440
 7998
```

2
```
    5
    2
  507
 × 83
   1
 1521
+40560
42081
```

3
```
     1
  612
 × 37
   1
 4284
+18360
22644
```

4
```
    2
   14
  429
 × 35
  1 1
 2145
+12870
15015
```

5
```
   1 1
   1 1
  722
 × 56
   1
 4332
+36100
40432
```

6
```
   1 1
   2 2
  365
 × 24
 1460
+ 7300
 8760
```

Math Antics® Worksheets

Multiplying by a 3-Digit Number (with guides)

Instructions: Multiply these numbers.

Example

$$
\begin{array}{r}
^{2\ 1}_{\cancel{1}}\ \\
^{\cancel{1}}653 \\
\times 432 \\
\hline
1306 \\
19590 \\
+261200 \\
\hline
282096
\end{array}
$$

Because we have 3 answers, there are 3 sets of carried digits.

Remember, our third answer line needs two zeros so that it's 100 times bigger.

1
$$
\begin{array}{r}
172 \\
\times 325 \\
\hline
860 \\
3440 \\
+51600 \\
\hline
55900
\end{array}
$$

2
$$
\begin{array}{r}
637 \\
\times 204 \\
\hline
2548 \\
0000 \\
+127400 \\
\hline
129948
\end{array}
$$

3
$$
\begin{array}{r}
508 \\
\times 463 \\
\hline
1524 \\
30480 \\
+203200 \\
\hline
235204
\end{array}
$$

4
$$
\begin{array}{r}
1,217 \\
\times\ \ 539 \\
\hline
10953 \\
36510 \\
+608500 \\
\hline
655963
\end{array}
$$

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Math Antics® Worksheets

Multi-Digit Multiplication Practice

Instructions: Multiply these numbers.

1
```
    1
    2
   48
 × 23
  1
  144
+ 960
1,104
```

2
```
   4
   3
   37
 × 75
  1
  185
+2590
2,775
```

3
```
    3
   98
 × 41
 1 1
   98
+3920
4,018
```

4
```
   1
   52
 × 16
  312
+ 520
  832
```

5
```
   2
   1
   86
 × 43
  258
+3440
3,698
```

6
```
  3 4
  12
  135
 × 94
  540
+12150
12,690
```

7
```
   1
   3
  605
 × 26
 3630
+12100
15,730
```

8
```
    2
  514
 × 72
 1 1
 1028
+35980
37,008
```

9
```
   3
   2
  371
 × 54
 1 1
 1 1484
+18550
20,034
```