

Extra Challenge

I can multiply numbers by a two-digit number using long multiplication.



Calculate the missing number in these calculations.

a)

$$\begin{array}{r} 1 \square 1 \\ \times \quad 3 \square \\ \hline 5 \ 1 \ 3 \\ 5 \ 1 \ 3 \ 0 \\ \hline \end{array}$$

d)

$$\begin{array}{r} 3 \square 1 \\ \times \quad \square \square \\ \hline 3 \ 2 \ 4 \ 9 \\ 3 \ 2 \ 4 \ 9 \ 0 \\ \hline \end{array}$$

g)

$$\begin{array}{r} 9 \square 9 \\ \times \quad \square \square \\ \hline 8 \ 3 \ 6 \ 1 \\ 5 \ 5 \ 7 \ 4 \ 0 \\ \hline \end{array}$$

b)

$$\begin{array}{r} \square 0 \square \\ \times \quad \square 2 \\ \hline 4 \ 1 \ 0 \\ 1 \ 0 \ 2 \ 5 \ 0 \\ \hline \end{array}$$

e)

$$\begin{array}{r} \square 0 \square \\ \times \quad 9 \square \\ \hline 1 \ 2 \ 5 \ 4 \\ 1 \ 8 \ 8 \ 1 \ 0 \\ \hline \end{array}$$

h)

$$\begin{array}{r} \square 5 \square \\ \times \quad \square 8 \\ \hline 6 \ 0 \ 7 \ 2 \\ 1 \ 5 \ 1 \ 8 \ 0 \\ \hline \end{array}$$

c)

$$\begin{array}{r} 2 \square \square \\ \times \quad \square 5 \\ \hline 1 \ 0 \ 3 \ 5 \\ 1 \ 6 \ 5 \ 6 \ 0 \\ \hline \end{array}$$

f)

$$\begin{array}{r} 8 \square \square \\ \times \quad \square 9 \\ \hline 8 \ 0 \ 0 \ 1 \\ 1 \ 7 \ 7 \ 8 \ 0 \\ \hline \end{array}$$

i)

$$\begin{array}{r} \square \square 7 \\ \times \quad \square 4 \\ \hline 8 \ 2 \ 8 \\ 1 \ 8 \ 6 \ 3 \ 0 \\ \hline \end{array}$$

$$\begin{array}{r}
 \square \ 3 \ \square \\
 \times \quad \quad 3 \ \square \\
 \hline
 2 \ 1 \ 9 \ 3 \\
 2 \ 1 \ 9 \ 3 \ 0 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 5 \ \square \ \square \\
 \times \quad \quad \square \ 8 \\
 \hline
 4 \ 4 \ 1 \ 6 \\
 2 \ 7 \ 6 \ 0 \ 0 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 6 \ \square \ 1 \\
 \times \quad \quad \square \ \square \\
 \hline
 3 \ 8 \ 4 \ 6 \\
 1 \ 2 \ 8 \ 2 \ 0 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 1 \ \square \ \square \\
 \times \quad \quad \square \ 7 \\
 \hline
 1 \ 1 \ 2 \ 7 \\
 3 \ 2 \ 2 \ 0 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 \square \ \square \ 5 \\
 \times \quad \quad \square \ 1 \\
 \hline
 9 \ 9 \ 5 \\
 2 \ 9 \ 8 \ 5 \ 0 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 \square \ 0 \ \square \\
 \times \quad \quad 7 \ \square \\
 \hline
 2 \ 1 \ 2 \\
 7 \ 4 \ 2 \ 0 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 7 \ 3 \ \square \\
 \times \quad \quad \square \ \square \\
 \hline
 2 \ 9 \ 5 \ 6 \\
 2 \ 9 \ 5 \ 6 \ 0 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 6 \ \square \ \square \\
 \times \quad \quad 6 \ \square \\
 \hline
 2 \ 7 \ 0 \ 0 \\
 4 \ 0 \ 5 \ 0 \ 0 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 7 \ \square \ \square \\
 \times \quad \quad \square \ 6 \\
 \hline
 4 \ 6 \ 9 \ 2 \\
 1 \ 5 \ 6 \ 4 \ 0 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 \square \ \square \ 7 \\
 \times \quad \quad \square \ 7 \\
 \hline
 6 \ 9 \ 7 \ 9 \\
 7 \ 9 \ 7 \ 6 \ 0 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 \square \ 8 \ \square \\
 \times \quad \quad \square \ 8 \\
 \hline
 5 \ 4 \ 7 \ 2 \\
 4 \ 1 \ 0 \ 4 \ 0 \\
 \hline
 \end{array}$$

Extra Challenge Answers

| Question | Answer |
|--|---------------------------|
| 1. Calculate the missing number in these calculations. | |
| a | $171 \times 33 = 5643$ |
| b | $205 \times 52 = 10\,660$ |
| c | $207 \times 85 = 17\,595$ |
| d | $361 \times 99 = 35\,739$ |
| e | $209 \times 96 = 20\,064$ |
| f | $889 \times 29 = 25\,781$ |
| g | $929 \times 69 = 64\,101$ |
| h | $759 \times 28 = 21\,252$ |
| i | $207 \times 94 = 19\,458$ |
| j | $731 \times 33 = 24\,123$ |
| k | $161 \times 27 = 4347$ |
| l | $739 \times 44 = 32\,516$ |
| m | $997 \times 87 = 86\,739$ |
| n | $552 \times 58 = 32\,016$ |
| o | $995 \times 31 = 30\,845$ |
| p | $675 \times 64 = 43\,200$ |
| q | $684 \times 68 = 46\,512$ |

| | |
|---|---------------------------|
| r | $641 \times 26 = 16\,666$ |
| s | $106 \times 72 = 7632$ |
| t | $782 \times 26 = 20\,332$ |