



## Short multiplication - answers

Here are the answers to short multiplication questions using the **traditional multiplication** method.

$$\begin{array}{r} 1. \quad 355 \\ \times 5 \\ \hline 1775 \\ \hline 22 \end{array}$$

**Step 1:**  $5 \times 5 = 25$

5 in the units, carry 2 to the tens

**Step 2:**  $5 \times 5 = 25$ , add the carried 2 to make 27,

7 into the tens column, carry 2 to the hundreds

**Step 3:**  $5 \times 3 = 15$  add the carried 2 to make 17

$$\begin{array}{r} 2. \quad 462 \\ \times 3 \\ \hline 1386 \\ \hline 1 \end{array}$$

**Step 1:**  $3 \times 2 = 6$

**Step 2:**  $3 \times 6 = 18$

8 into the tens column, carry 1 to the hundreds

**Step 3:**  $3 \times 4 = 12$  add the carried 1 to make 13

$$\begin{array}{r} 3. \quad 242 \\ \times 7 \\ \hline 1694 \\ \hline 21 \end{array}$$

**Step 1:**  $7 \times 2 = 14$

7 in the units, carry 1 to the tens

**Step 2:**  $7 \times 4 = 28$  add the carried 1 to make 29

9 into the tens column, carry 2 to the hundreds

**Step 3:**  $7 \times 2 = 14$  add the carried 2 to make 16

$$\begin{array}{r} 4. \quad 133 \\ \times 9 \\ \hline 1197 \\ \hline 22 \end{array}$$

**Step 1:**  $9 \times 3 = 27$

7 in the units, carry 2 to the tens

**Step 2:**  $9 \times 3 = 27$  add the carried 2 to make 29

9 into the tens column, carry 2 to the hundreds

**Step 3:**  $9 \times 1 = 9$  add the carried 2 to make 11

$$\begin{array}{r} 5. \quad 589 \\ \times 2 \\ \hline 1178 \\ \hline 11 \end{array}$$

**Step 1:**  $2 \times 9 = 18$

8 in the units, carry 1 to the tens

**Step 2:**  $2 \times 8 = 16$  add the carried 1 to make 17

7 into the tens column, carry 1 to the hundreds

**Step 3:**  $2 \times 5 = 10$  add the carried 1 to make 11