

TARGET To practise using a formal written method for long multiplication.

Examples

$$\begin{array}{r} ^4 ^1 \\ 873 \\ \times 46 \\ \hline 5238 \quad (873 \times 6) \\ 342920 \quad (873 \times 40) \\ \hline 40158 \quad (\text{Total}) \\ 1 1 \end{array}$$

$$\begin{array}{r} ^2 ^1 \\ 1962 \\ \times 23 \\ \hline 5886 \\ 391240 \\ \hline 45126 \\ 1 1 1 \end{array}$$

A

Copy and complete.

$$\begin{array}{r} \textcircled{1} \quad 36 \\ \times 16 \\ \hline \end{array} \quad \begin{array}{l} (36 \times 6) \\ (36 \times 10) \end{array}$$

$$\begin{array}{r} \textcircled{2} \quad 95 \\ \times 13 \\ \hline \end{array} \quad \begin{array}{l} (95 \times 3) \\ (95 \times 10) \end{array}$$

$$\begin{array}{r} \textcircled{3} \quad 42 \\ \times 27 \\ \hline \end{array} \quad \begin{array}{l} (42 \times 7) \\ (42 \times 20) \end{array}$$

$$\begin{array}{r} \textcircled{4} \quad 53 \\ \times 39 \\ \hline \end{array} \quad \begin{array}{l} (53 \times 9) \\ (53 \times 30) \end{array}$$

Work out

$$\textcircled{5} \quad 83 \times 13 \quad \textcircled{9} \quad 49 \times 32$$

$$\textcircled{6} \quad 24 \times 15 \quad \textcircled{10} \quad 62 \times 25$$

$$\textcircled{7} \quad 78 \times 24 \quad \textcircled{11} \quad 74 \times 43$$

$$\textcircled{8} \quad 37 \times 26 \quad \textcircled{12} \quad 45 \times 37$$

B

Copy and complete.

$$\begin{array}{r} \textcircled{1} \quad 184 \\ \times 26 \\ \hline \end{array} \quad \begin{array}{l} (184 \times 6) \\ (184 \times 20) \end{array}$$

$$\begin{array}{r} \textcircled{2} \quad 1563 \\ \times 48 \\ \hline \end{array} \quad \begin{array}{l} (1563 \times 8) \\ (1563 \times 40) \end{array}$$

Work out

$$\textcircled{3} \quad 247 \times 38 \quad \textcircled{11} \quad 1376 \times 39$$

$$\textcircled{4} \quad 529 \times 14 \quad \textcircled{12} \quad 1487 \times 24$$

$$\textcircled{5} \quad 392 \times 43 \quad \textcircled{13} \quad 6532 \times 51$$

$$\textcircled{6} \quad 638 \times 19 \quad \textcircled{14} \quad 3139 \times 36$$

$$\textcircled{7} \quad 156 \times 37 \quad \textcircled{15} \quad 5814 \times 17$$

$$\textcircled{8} \quad 415 \times 42 \quad \textcircled{16} \quad 4687 \times 32$$

$$\textcircled{9} \quad 289 \times 25 \quad \textcircled{17} \quad 1926 \times 45$$

$$\textcircled{10} \quad 748 \times 23 \quad \textcircled{18} \quad 7245 \times 29$$

$\textcircled{19}$ Each crate holds 48 bottles. How many bottles are there in 268 crates?

$\textcircled{20}$ Moheen earns £16.75 per hour. He works 36 hours. How much does he earn?

C

Work out

$$\textcircled{1} \quad 12319 \times 17$$

$$\textcircled{2} \quad 27493 \times 35$$

$$\textcircled{3} \quad 74806 \times 23$$

$$\textcircled{4} \quad 36028 \times 42$$

$$\textcircled{5} \quad 80572 \times 26$$

$$\textcircled{6} \quad 41735 \times 34$$

$$\textcircled{7} \quad 32054 \times 59$$

$$\textcircled{8} \quad 26490 \times 61$$

$$\textcircled{9} \quad 218 \times 197$$

$$\textcircled{10} \quad 675 \times 145$$

$$\textcircled{11} \quad 394 \times 372$$

$$\textcircled{12} \quad 564 \times 286$$

$$\textcircled{13} \quad 943 \times 257$$

$$\textcircled{14} \quad 639 \times 427$$

$$\textcircled{15} \quad 483 \times 159$$

$$\textcircled{16} \quad 726 \times 368$$

$\textcircled{17}$ The average number of words on the page of a book is 347. The book has 159 pages. How many words are there in the book?