LONG MULTIPLICATION 1

TARGET To use a formal written method for long multiplication.

Examples

$$\begin{array}{r} {\scriptstyle 5\ 4\ 5} \\ 1\,7\,5\,8 \\ \times \quad 2\,7 \\ \hline 1\,2\,3\,0\,6 \quad (1758 \times 7) \\ 3_{1}5_{1}1_{1}6\,0 \quad (1758 \times 20) \\ \hline 4\,7\,4\,6\,6 \end{array}$$

$$\begin{array}{r} {\scriptstyle 2\ 5\ 1} \\ 4\,3\,9\,2 \\ \times \quad 3\,6 \\ \hline 2\,6\,3\,5\,2 \\ 1\,3_{1}1_{2}7\,6\,0 \\ \hline 1\,5\,8\,1\,1\,2 \\ {\scriptstyle 1\ 1} \end{array}$$

A

Copy and complete.

1. $\begin{array}{r} 68 \\ \times \quad 13 \\ \hline \_\_\_ \quad (68 \times 3) \\ \_\_\_ \quad (68 \times 10) \\ \hline \_\_\_ \end{array}$

2. $\begin{array}{r} 492 \\ \times \quad 18 \\ \hline \_\_\_ \quad (492 \times 8) \\ \_\_\_ \quad (492 \times 10) \\ \hline \_\_\_ \end{array}$

3. $\begin{array}{r} 36 \\ \times \quad 24 \\ \hline \_\_\_ \quad (36 \times 4) \\ \_\_\_ \quad (36 \times 20) \\ \hline \_\_\_ \end{array}$

4. $\begin{array}{r} 267 \\ \times \quad 35 \\ \hline \_\_\_ \quad (267 \times 5) \\ \_\_\_ \quad (267 \times 30) \\ \hline \_\_\_ \end{array}$

Work out

5. 63×42
6. 57×26
7. 49×19
8. 85×23
9. 174×34
10. 219×28
11. 438×17
12. 365×45

B

Copy and complete.

1. $\begin{array}{r} 1247 \\ \times \quad 26 \\ \hline \_\_\_ \quad (1247 \times 6) \\ \_\_\_ \quad (1247 \times 20) \\ \hline \_\_\_ \end{array}$

2. $\begin{array}{r} 2538 \\ \times \quad 14 \\ \hline \_\_\_ \quad (2538 \times 4) \\ \_\_\_ \quad (2538 \times 10) \\ \hline \_\_\_ \end{array}$

3. $\begin{array}{r} 1673 \\ \times \quad 38 \\ \hline \_\_\_ \quad (1673 \times 8) \\ \_\_\_ \quad (1673 \times 30) \\ \hline \_\_\_ \end{array}$

4. $\begin{array}{r} 3496 \\ \times \quad 25 \\ \hline \_\_\_ \quad (3496 \times 5) \\ \_\_\_ \quad (3496 \times 20) \\ \hline \_\_\_ \end{array}$

Work out

5. 5728×16
6. 4359×37
7. 2584×29
8. 3046×35
9. 6257×43
10. 1985×24
11. 4874×39
12. 7169×48

C

Work out

1. $24\,135 \times 28$
2. $57\,248 \times 19$
3. $42\,186 \times 34$
4. $16\,259 \times 45$
5. $35\,367 \times 26$
6. $49\,526 \times 37$
7. $21\,687 \times 85$
8. $52\,958 \times 64$
9. 249×183
10. 376×256
11. 458×149
12. 864×572
13. 327×265
14. 483×174
15. 739×328
16. 562×437
17. One can weighs 387 g. There are 36 cans in a box. What is the total weight of 25 boxes in kilograms?