

TARGET To use a formal written method for long multiplication.

Examples

$$\begin{array}{r}
 \begin{array}{r}
 \overset{5}{1} \overset{4}{7} \overset{5}{5} 8 \\
 \times \quad 27 \\
 \hline
 12306 \\
 351160 \\
 \hline
 47466
 \end{array}
 \quad
 \begin{array}{l}
 (1758 \times 7) \\
 (1758 \times 20)
 \end{array}
 \end{array}$$

$8 \times 7 = 56$ (carry 5)
 $5 \times 7 = 35$ (add 5) = 40

$$\begin{array}{r}
 \begin{array}{r}
 251 \\
 4392 \\
 \times \quad 36 \\
 \hline
 26352 \\
 1312760 \\
 \hline
 158112
 \end{array}
 \end{array}$$

A

Copy and complete.

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

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

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

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

Work out

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

B

Copy and complete.

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

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

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

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

Work out

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

C

Work out

- 1 24135×28
- 2 57248×19
- 3 42186×34
- 4 16259×45
- 5 35367×26
- 6 49526×37
- 7 21687×85
- 8 52958×64
- 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?