

TARGET To use a formal written method for long multiplication.

Examples

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

$$\begin{array}{r} ^2 ^5 ^1 \\ 4392 \\ \times 36 \\ \hline 26352 \\ 1312760 \\ \hline 158112 \\ 1 1 \end{array}$$

A

Copy and complete.

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

$$\underline{\hspace{2cm}}$$
 (68×10)

$$\underline{\hspace{2cm}}$$

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

$$\underline{\hspace{2cm}}$$
 (492×10)

$$\underline{\hspace{2cm}}$$

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

$$\underline{\hspace{2cm}}$$
 (36×20)

$$\underline{\hspace{2cm}}$$

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

$$\underline{\hspace{2cm}}$$
 (267×30)

$$\underline{\hspace{2cm}}$$

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)

$$\underline{\hspace{2cm}}$$
 (1247×20)

$$\underline{\hspace{2cm}}$$

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

$$\underline{\hspace{2cm}}$$
 (2538×10)

$$\underline{\hspace{2cm}}$$

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

$$\underline{\hspace{2cm}}$$
 (1673×30)

$$\underline{\hspace{2cm}}$$

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

$$\underline{\hspace{2cm}}$$
 (3496×20)

$$\underline{\hspace{2cm}}$$

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?

TARGET To practise a formal written method for long multiplication.

Examples

$$\begin{array}{r} 312 \\ 1827 \\ \times 24 \\ \hline 7308 \quad (1827 \times 4) \\ 3161540 \quad (1827 \times 20) \\ \hline 43848 \\ 1 \end{array}$$

$$\begin{array}{r} 173 \\ 519.4 \\ \times 48 \\ \hline 4155.2 \\ 20776.0 \\ \hline 24931.2 \\ 11 \end{array}$$

A

Copy and complete.

- 1
$$\begin{array}{r} 39 \\ \times 25 \\ \hline \end{array}$$

(39×5)
 _____ (39×20)

- 2
$$\begin{array}{r} 6.2 \\ \times 43 \\ \hline \end{array}$$

(6.2×3)
 _____ (6.2×40)

- 3
$$\begin{array}{r} 183 \\ \times 17 \\ \hline \end{array}$$

(183×7)
 _____ (183×10)

- 4
$$\begin{array}{r} 41.5 \\ \times 38 \\ \hline \end{array}$$

(41.5×8)
 _____ (41.5×30)

Work out

- | | |
|-------------------|---------------------|
| 5 28×24 | 9 135×23 |
| 6 74×19 | 10 549×18 |
| 7 5.7×36 | 11 32.6×45 |
| 8 9.6×72 | 12 47.3×27 |

B

Copy and complete.

- 1
$$\begin{array}{r} 1536 \\ \times 34 \\ \hline \end{array}$$

(1536×4)
 _____ (1536×30)

- 2
$$\begin{array}{r} 4872 \\ \times 29 \\ \hline \end{array}$$

(4872×9)
 _____ (4872×20)

- 3
$$\begin{array}{r} 239.4 \\ \times 52 \\ \hline \end{array}$$

(239.4×2)
 _____ (239.4×50)

- 4
$$\begin{array}{r} 60.27 \\ \times 47 \\ \hline \end{array}$$

(60.27×7)
 _____ (60.27×40)

Work out

- | | |
|---------------------|----------------------|
| 5 1853×63 | 9 41.86×27 |
| 6 5419×26 | 10 750.2×39 |
| 7 27.68×35 | 11 16.93×54 |
| 8 394.5×48 | 12 82.54×46 |

C

Work out

- 1 35215×28
- 2 14793×45
- 3 294.08×36
- 4 16.359×53
- 5 53.826×19
- 6 470.54×24
- 7 1293.7×37
- 8 30.682×65
- 9 476×233
- 10 923×458
- 11 65.4×192
- 12 3.89×356
- 13 0.547×429
- 14 8.15×657
- 15 79.2×284
- 16 0.438×378
- 17 Each can of paint holds 2.35 litres. How much paint is needed to fill 346 cans?