

LONG MULTIPLICATION 2

TARGET To practise a formal written method for long multiplication.

Examples

$$\begin{array}{r} 3 \ 1 \ 2 \\ 1 \ 8 \ 2 \ 7 \\ \times \quad 2 \ 4 \\ \hline 7 \ 3 \ 0 \ 8 \quad (1827 \times 4) \\ 3,61,514 \ 0 \quad (1827 \times 20) \\ \hline 4 \ 3 \ 8 \ 4 \ 8 \\ \hline 1 \end{array}$$

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

A

Copy and complete.

$$\begin{array}{r} 1 \quad 39 \\ \times \quad 25 \\ \hline \end{array} \quad \begin{array}{l} (39 \times 5) \\ (39 \times 20) \end{array}$$

$$\begin{array}{r} 2 \quad 6.2 \\ \times \quad 43 \\ \hline \end{array} \quad \begin{array}{l} (6.2 \times 3) \\ (6.2 \times 40) \end{array}$$

$$\begin{array}{r} 3 \quad 183 \\ \times \quad 17 \\ \hline \end{array} \quad \begin{array}{l} (183 \times 7) \\ (183 \times 10) \end{array}$$

$$\begin{array}{r} 4 \quad 41.5 \\ \times \quad 38 \\ \hline \end{array} \quad \begin{array}{l} (41.5 \times 8) \\ (41.5 \times 30) \end{array}$$

Work out

$$5 \ 28 \times 24 \quad 9 \ 135 \times 23$$

$$6 \ 74 \times 19 \quad 10 \ 549 \times 18$$

$$7 \ 5.7 \times 36 \quad 11 \ 32.6 \times 45$$

$$8 \ 9.6 \times 72 \quad 12 \ 47.3 \times 27$$

B

Copy and complete.

$$\begin{array}{r} 1 \quad 1536 \\ \times \quad 34 \\ \hline \end{array} \quad \begin{array}{l} (1536 \times 4) \\ (1536 \times 30) \end{array}$$

$$\begin{array}{r} 2 \quad 4872 \\ \times \quad 29 \\ \hline \end{array} \quad \begin{array}{l} (4872 \times 9) \\ (4872 \times 20) \end{array}$$

$$\begin{array}{r} 3 \quad 239.4 \\ \times \quad 52 \\ \hline \end{array} \quad \begin{array}{l} (239.4 \times 2) \\ (239.4 \times 50) \end{array}$$

$$\begin{array}{r} 4 \quad 60.27 \\ \times \quad 47 \\ \hline \end{array} \quad \begin{array}{l} (60.27 \times 7) \\ (60.27 \times 40) \end{array}$$

Work out

$$5 \ 1853 \times 63 \quad 9 \ 41.86 \times 27$$

$$6 \ 5419 \times 26 \quad 10 \ 750.2 \times 39$$

$$7 \ 27.68 \times 35 \quad 11 \ 16.93 \times 54$$

$$8 \ 394.5 \times 48 \quad 12 \ 82.54 \times 46$$

C

Work out

$$1 \ 35 \ 215 \times 28$$

$$2 \ 14 \ 793 \times 45$$

$$3 \ 294.08 \times 36$$

$$4 \ 16.359 \times 53$$

$$5 \ 53.826 \times 19$$

$$6 \ 470.54 \times 24$$

$$7 \ 1293.7 \times 37$$

$$8 \ 30.682 \times 65$$

$$9 \ 476 \times 233$$

$$10 \ 923 \times 458$$

$$11 \ 65.4 \times 192$$

$$12 \ 3.89 \times 356$$

$$13 \ 0.547 \times 429$$

$$14 \ 8.15 \times 657$$

$$15 \ 79.2 \times 284$$

$$16 \ 0.438 \times 378$$

17 Each can of paint holds 2.35 litres. How much paint is needed to fill 346 cans?