

Written Multiplication

Year 6

Short multiplication of 2-, 3- and 4-digit numbers by 1-digit numbers
e.g. 3743×6

$$\begin{array}{r} 3743 \\ \times \quad 6 \\ \hline 22458 \end{array}$$

Long multiplication of 2-, 3- and 4-digit numbers by 2-digit numbers
e.g. 456×38

$$\begin{array}{r} 456 \\ \times 38 \\ \hline 13680 \\ 3648 \\ \hline 17328 \end{array}$$

Short multiplication of decimal numbers using $\times 100$ and $\div 100$
e.g. 13.72×6 as $(1372 \times 6) \div 100 = 82.32$

Short multiplication of money

e.g. $\pounds 13.72 \times 6$

$$\begin{array}{r} \pounds 13.72 \\ \times \quad 6 \\ \hline \pounds 82.32 \end{array}$$

Grid multiplication of numbers with up to 2 decimal places by 1-digit numbers

e.g. 6.76×4

\times	6	0.7	0.06
4	24	2.8	0.24

 = 27.04

Multiply simple pairs of proper fractions

e.g. $\frac{1}{2} \times \frac{1}{4} = \frac{1}{8}$

NB Grid multiplication provides a default method for ALL children