



What Should I Already Know?

Use the grid method to calculate two-digit or three-digit by one-digit multiplication calculations. Add together answers using mental/written methods.

x	70	9	x	300	40	6
8	560	72	8	2400	320	48

What do I need to know?

x	2000	600	90	3
20	40000	12000	1800	60
4	8000	2400	360	12

Use the grid method to calculate four-digit by one-digit or two-digit multiplication calculations.

Use the long multiplication method.

$$\begin{array}{r} \text{TTh Th H T U} \\ 693 \\ \times 24 \\ \hline 2772 \quad (693 \times 4) \\ + 13860 \quad (693 \times 20) \\ \hline 16632 \end{array}$$

Vocabulary

multiply

groups

times

lots of

commutative

row

column

grid method

long multiplication method

compact method

decimal