



What Should I Already 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.

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

What do I need to know?

use the grid method and the compact method to multiply any number by a two-digit number.

$$4.92 \times 3$$

$$\begin{array}{r} \text{T U . t h} \\ 4.92 \\ \times 3 \\ \hline 0.06 \quad (0.02 \times 3) \\ 2.7 \quad (0.9 \times 3) \\ + 12 \quad (4 \times 3) \\ \hline 14.76 \end{array}$$

$$\begin{array}{r} \text{T U . t h} \\ 4.92 \\ \times 3 \\ \hline 14.76 \\ 2 \end{array}$$

Vocabulary

multiply

groups

times

lots of

commutative

row

column

grid method

long multiplication method

compact method

decimal