

Multiplication using grid method.

Partition numbers (thousands, hundreds, tens, units.)

Put into grid

Calculate using previous knowledge (i.e. $8 \times 4 = 32$ so $8 \times 4,000 = 32,000$)

Add together

$$4346 \times 8$$

x	4 000	300	40	6
8	32 000	2400	320	48

$$\begin{array}{r}
 32000 \\
 + 2400 \\
 + 320 \\
 + 48 \\
 \hline
 34768
 \end{array}$$

and numbers with up to four digits by a two-digit number, e.g.

$$2693 \times 24$$

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

$$\begin{array}{r}
 40000 \\
 + 8000 \\
 + 12000 \\
 + 2400 \\
 + 1800 \\
 + 360 \\
 + 60 \\
 + 12 \\
 \hline
 64632
 \end{array}$$

Week Beginning 18.05.20 Year 6 MUST do Maths Lesson 2: LO: To multiply multi-digit numbers by a 2-digit number using formal written method.

Have a go:

A) 427×13

B) 139×52

C) 658×27

D) 582×31

E) $5,283 \times 26$

F) $7,149 \times 58$

G) $3,625 \times 45$

H) $9,706 \times 34$

These links explain long multiplication.

<https://www.bbc.co.uk/bitesize/articles/z4chnrd>

https://central.espresso.co.uk/espresso/primary_uk/subject/module/video/item440586/grade2/module437339/index.html?source=search-Maths-all-Maths-Videos&source-keywords=long%20multiplication