

Multiplying 4 digit by 1 digit - Maths Resource 6

Alex calculated $1,432 \times 4$

Here is her answer.

	Th	H	T	O
	1	4	3	2
\times				4
	4	16	12	8

$$1,432 \times 4 = 416,128$$

Can you explain what Alex has done wrong?

Alex has not exchanged when she has got 10 or more in the tens and hundreds columns.

Can you work out the missing numbers using the clues?

$$\begin{array}{r}
 \square \square \square \square \\
 \times 5 \\
 \hline
 \square \square \square \square \square
 \end{array}$$

- The 4 digits being multiplied by 5 are consecutive numbers.
- The first 2 digits of the product are the same.
- The fourth and fifth digits of the answer add to make the third.

$$2,345 \times 5 = 11,725$$