## Multiply 4-digits by 1-digit

## Reasoning and Problem Solving

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?

Can you work out the missing numbers using the clues?


- 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.


## Year 5| Spring Term | Week 1 to 3 - Number: Multiplication \& Division

## Multiply 2-digits (Area Model)

## Reasoning and Problem Solving



## Year 5| Spring Term | Week 1 to 3 - Number: Multiplication \& Division

## Multiply 2-digits by 2-digits

## Reasoning and Problem Solving



Do you agree?
Explain your answer.

Amir has multiplied 47 by 36


Alex says,


Amir is wrong because the answer should be 1,692 not 323

Who is correct?
What mistake has been made?

