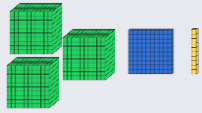To be able to multiply 4-digit numbers by 1-digit numbers

Starter:
What's the same? What's different?

thousands	hundreds	tens	ones
●●●		◐	●●

Explain your answer.

To be able to multiply 4-digit numbers by 1-digit numbers

Activity 1:
Use place value counters and a place value chart to calculate:

thousands	hundreds	tens	ones

	TH	H	T	O
	3	0	1	2
×				3

To be able to multiply 4-digit numbers by 1-digit numbers

Activity 2:
Write and complete the calculation represented by the place value chart below:

thousands	hundreds	tens	ones
●●●	●●		●●●●●
●●●	●●		●●●●●
●●●	●●		●●●●●

	TH	H	T	O
×				

To be able to multiply 4-digit numbers by 1-digit numbers

Activity 3:
Miss Singh earns £1,324 per week. How much does she earn in four weeks?

thousands	hundreds	tens	ones

	TH	H	T	O
	1	3	2	4
×				4

To be able to multiply 4-digit numbers by 1-digit numbers

Activity 4:
James says, "The answer to 2,413 x 4 is 816,412."

What's gone wrong?
Can you correct the calculation and get the correct answer?

	TH	H	T	O
	2	4	1	3
×				4
	8	16	4	12

To be able to multiply 4-digit numbers by 1-digit numbers

Activity 5:
Use the following clues to complete the calculation:
• From left to right, the second digit in the multiplicand is the same as the multiplier;
• The first digit is worth one less than the second digit;
• The third digit is worth one more than the second digit;
• The fourth digit is worth two more than the second digit;
• The product's ones digit is the same as the multiplier.

×				4

To be able to multiply 4-digit numbers by 1-digit numbers

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Evaluation:

If you multiply an even 4-digit number by an odd 1-digit number, the answer is an odd number.

Is Astrobee's statement always, sometimes or never true?
Explain your answer.