

Multiply up to a 4-digit number by a 1-digit number



1 Complete the sentences to describe the multiplication.

Th	H	T	O
1,000 1,000	100 100	10	1 1 1
1,000 1,000	100 100	10	1 1 1
1,000 1,000	100 100	10	1 1 1

There are ones altogether.

There are tens altogether.

There are hundreds altogether.

There are thousands altogether.

$2,213 \times 3 =$

2 Complete the multiplication.
Use the place value chart to help you.

Th	H	T	O

		2	1	0	2	
	×				4	



3 A football stadium holds 2,214 people.
The stadium is full for four matches in a row.
What was the attendance for all four matches?

Th	H	T	O
1,000 1,000	100 100	10	1 1
1,000 1,000	100 100	10	1 1
1,000 1,000	100 100	10	1 1
1,000 1,000	100 100	10	1 1

		2	2	1	4	
	×				4	

The attendance for all four matches was

4 Nijah is calculating $2,430 \times 3$
She makes this place value chart to help her.

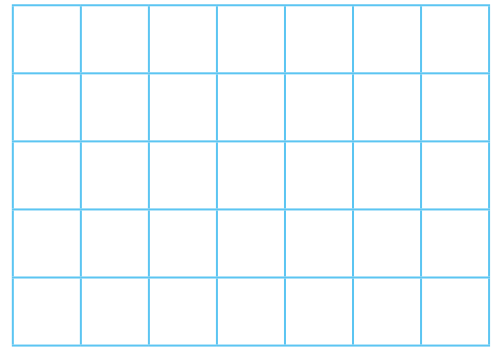
Th	H	T	O
	100 100	10 10	1 1
	100 100	10 10	1
	100 100	10 10	1 1
	100 100	10 10	1

She gets the answer 729
What mistake has Nijah made?

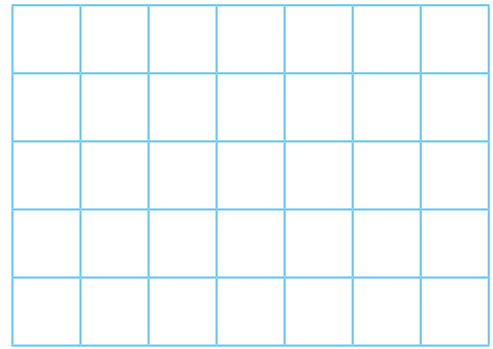
What is the correct answer?

5 Complete the multiplications.

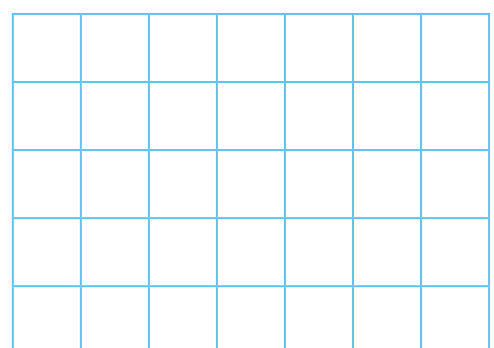
a) $3,126 \times 3 =$



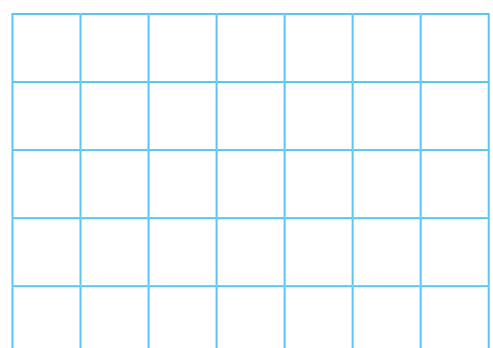
c) $4,132 \times 6 =$



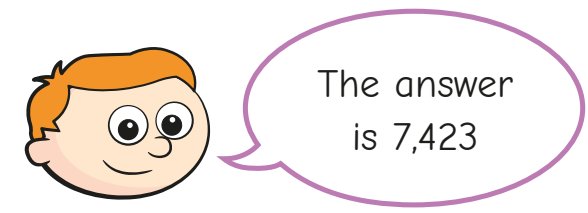
b) $4,812 \times 2 =$



d) $1,502 \times 5 =$



6 Ron is working out $7,423 \times 0$



$$\begin{array}{r} 7 \ 4 \ 2 \ 3 \\ \times \qquad \qquad 0 \\ \hline 7 \ 4 \ 2 \ 3 \end{array}$$

Do you agree with Ron? _____
Did Ron have to use a column method? Is there a quicker way?

7 Work out the multiplications.

$2,846 \times 2 =$

$2,846 \times 8 =$

$2,846 \times 4 =$

What do you notice about the answers?

8

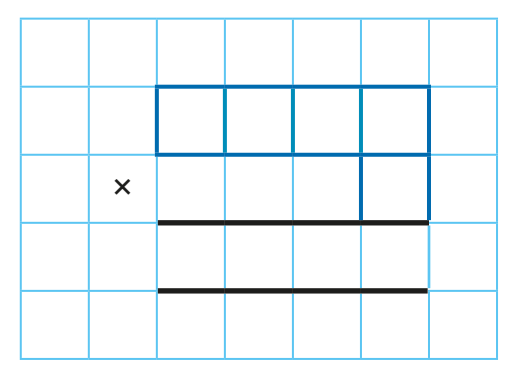
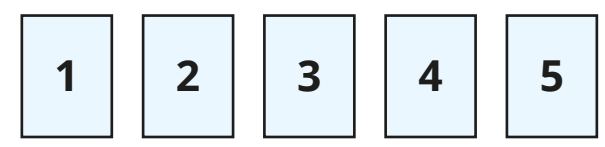
$248 \times 10 = 2,480$

Without using the formal method, how could you use this fact to calculate 248×9 ?

Check your answer using the formal method.

Which method was easier?

9 Use each digit card once to write a multiplication.



List all the different products you can find.

What is the closest product to 8,000?