Multiply 4-digits by 1-digit

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 × 3 = ☐

2 Complete the multiplication.

Use a place value chart to help you.

		2	1	0	2	
	×				4	

3 A football stadium holds 2,214 people.

The stadium is full for 4 matches in a row.

What was the attendance for all 4 matches?

4 Nijah is calculating 2,430 × 3

She makes this place value chart to help her.

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

She gets the answer 729

What mistake has Nijah made?

What is the correct answer?

5 Complete the multiplications.

a) 3,126 × 3 = ☐

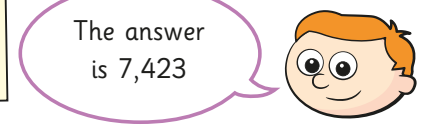
b) 4,812 × 2 = ☐

c) 4,132 × 6 = ☐

d) 1,502 × 5 = ☐

6 Ron is working out 7,423 × 0

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



Do you agree with Ron?

Did Ron have to use a column method? Is there a quicker way?

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She makes this place value chart to help her.

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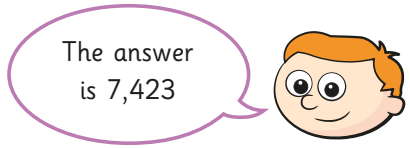

Do you agree with Ron?

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7 Work out these multiplications.

2,846 × 2

2,846 × 4

2,846 × 8

What do you notice about the answers?

8

248 × 10 = 2,480

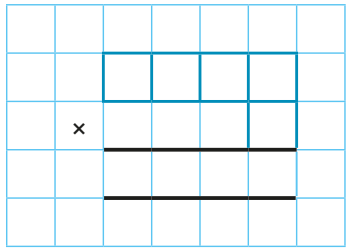
Without using the formal method, how could you use this fact to calculate 248 × 9?

Check your answer using the formal method.

Which method was easier?

9 Use each digit card once to write a multiplication.

1	2	3	4	5



How many different products can you find?

What is the closest product to 8,000?