

Tuesday 12th January

Maths

Medium

- 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?

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

		2	2	1	4	
	×				4	

The attendance for all 4 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 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?

- 1) Harry has been practising short multiplication. Identify and explain the errors he has made.



- 2) Now complete each calculation correctly.



a)

2	3	1	4
×			3
6	9	3	12

2	3	1	4
×			3

b)

	3	0	4	3
×				4
1	2	1	6	2
		1		

	3	0	4	3
×				4

c)

	5	2	0	6
×				6
3	1	2	9	6
	1		3	

	5	2	0	6
×				6

d)

	4	3	1	0
×				8
	3	4	4	8
		2		

	4	3	1	0
×				8

- 1) Can you identify the missing digits in these calculations?



a)

	2		2
×			3
9		3	6

b)

	4		1	
×				4
	6	0	6	0

c)

		1		
×				5
3	0	5	1	5

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.

How many different products can you find?

What is the closest product to 8,000?

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