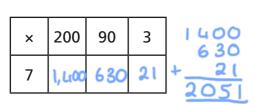
Formal methods: multiply integers

a) Complete all three methods of working out 293×7

Method 1



Method 2

	2	9	3	
×			7	
2	0	5		
	6	2		

Method 3

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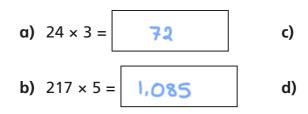
b) Which method do you prefer? Explain why.

Various answers

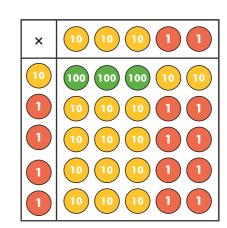
c) Which method is not appropriate for 85×27 ?

Method 3

Use a formal method to work out the multiplications.



Mo uses counters to work out 32×14



Complete the calculation.

448 32 × 14 =

2

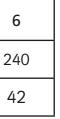
a) Find and circle the mistake in this calculation.

×	300	20		
40	1,200	800		
7	2,100	140		

1,200 + 2,100 + 800 + 140 + 240 + 42 = 4,522

b) Work out 326 × 47

157 kg × 8 =
$$1,256$$
 kg
£1,175 × 6 = $£7,050$





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Complete the methods for these multiplications.

a) 48 × 32 = 1,536

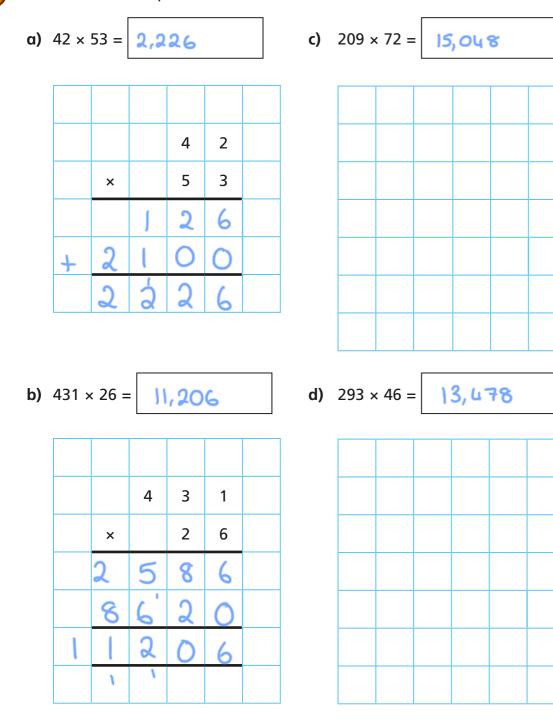
b)	137 × 26 =	3,56 2

×	40	8
30	1,200	240
2	80	16

×	100	30	7
20	2,000	600	140
6	600	180	ل ک



Use column multiplication to work out these calculations.



alue	toex	xplair	n the r
alue	to ex	xplair	n the r
alue	to ex	xplair	n the r
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alue	to ex	xplair	n the I
7	1	8	
	2	4	
8	_з 7	2	
4	1 ³	6	
3	0	8	
1			
C :	<u>- \ل</u>	,360) n
	8 4 3	2 8 3 ⁷ 4 1 ³ 3 0	2 4 8 $_3$ 7 2 4 $_1$ 3 6 3 0 8



180,681

istake in the calculation.





