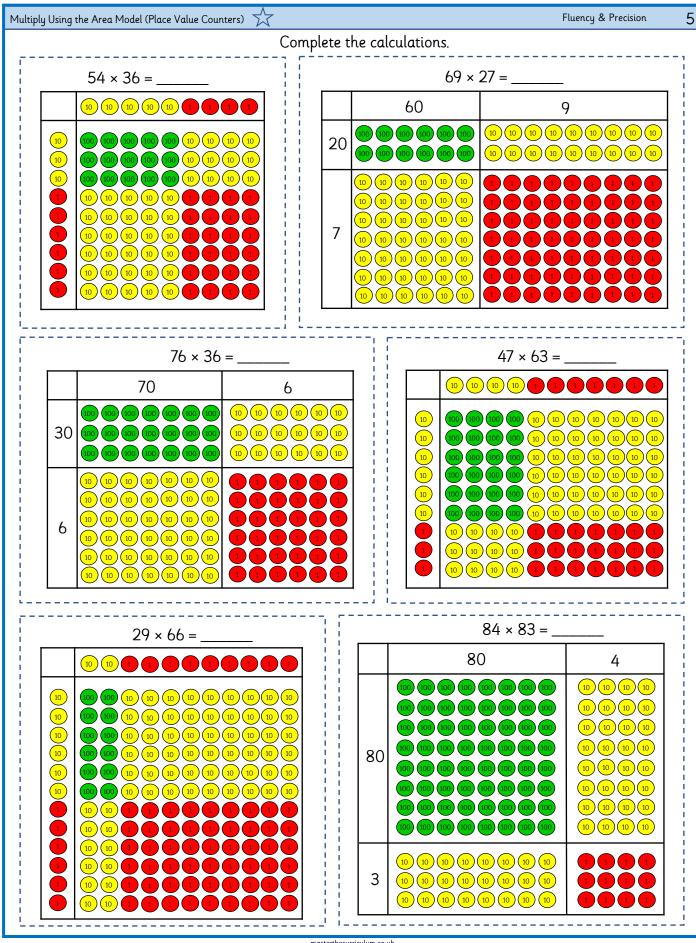
1ultiply Using the Area Model (Place Value Counters)		Fluency & Precision 5
Lesson 5 – Multiply Using the Area N	Model (Place Value Counters)	
NC Objective: Multiply numbers up to 4 digits by a one- or two-digit number using a formal written method, including long multiplication for two- digit numbers	Resources needed: Differentiated Sheets Teaching Slides	Vocabulary: Multiplication, partition, represent, area model
Children use place value counters to	represent the area model of multiplico	ition.
Key Questions: What are we multiplying? How can we partition these numbers Where can see 20 x 20? What does the 40 represent? What's the same and what's the diff grid)?	s? ferent between the three representatio	ns (Base 10, place value counters,
Working Towards	🖈 🖈 Working Within	Greater Depth
On this sheet, children use place value grids to find the result of multiplication. The calculation are written for them. They are to show their answer in table form (see answers) in their books next to the pictorial image.	On this sheet, children have to represent their calculations and also complete place value grids to represent a calculation.	On this sheet, children use reasoning skills to complete their calculations using the information provided to them. They show calculations using a place value chart that they have constructed.
F	Reasoning & Problem Solving	
Mathiput productive via Cuanter Description Description Description Medachi hancit finished his calculation. Calculation with an acurer. In and Roste word to put well-papers in their bactorism. Image: Calculation with an acurer. Image: Calculation with an acurer. Image: Calculation with an acurer. Image: Calculation with an acurer. Image: Calculation with an acurer. Image: Calculation with an acurer. Image: Calculation with an acurer. Image: Calculation with an acurer. Image: Calculation with an acurer. Image: Calculation with an acurer. Image: Calculation with an acurer. Image: Calculation with an acurer. Image: Calculation with an acurer. Image: Calculation with an acurer. Image: Calculation with an acurer. Image: Calculation with an acurer. Image: Calculation with an acurer. Image: Calculation with an acurer. Image: Calculation with an acurer. Image: Calculation with an acurer. Image: Calculation with an acurer. Image: Calculation with an acurer. Image: Calculation with an acurer. Image: Calculation with acurer. Image: Calculation with an acurer. Image: Calculation with acurer. Image: Calculation with acurer. Image: Calculation with acurer. Image: Calculation with acurer. Image: Calculation with acurer. Image: Calculation with acurer. Image: Calculation with acurer. <td>National designation with designation Data and Reside work to put wellpapers in their bedrowns. Madachi harit finished his calculation. Complete the missing information and record the bedrowns. Ta and Rosie work to put wellpapers in their bedrowns. Image: Complete the missing information with own owners. Ta and Rosie work to put wellpapers in their bedrowns. Image: Complete the missing information with owners. Ta and Rosie work to put wellpapers in their bedrowns. Image: Complete the missing information with owners. Ta and Rosie work to put wellpapers are the same to be former by a same to be come to be an and be owned by owned by owned by each of the complete read. Image: Complete the missing information with owners. Image: Complete the complete t</td> <td></td>	National designation with designation Data and Reside work to put wellpapers in their bedrowns. Madachi harit finished his calculation. Complete the missing information and record the bedrowns. Ta and Rosie work to put wellpapers in their bedrowns. Image: Complete the missing information with own owners. Ta and Rosie work to put wellpapers in their bedrowns. Image: Complete the missing information with owners. Ta and Rosie work to put wellpapers in their bedrowns. Image: Complete the missing information with owners. Ta and Rosie work to put wellpapers are the same to be former by a same to be come to be an and be owned by owned by owned by each of the complete read. Image: Complete the missing information with owners. Image: Complete the complete t	

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Answers

+

Complete the calculations.

54 × 36 = 1944

	50	4
30	1500	120
6	300	24
		1500 + 300 120 24

	69 × 27 = 1863	
	60	9
20	1200	180
7	420	63
		1200 + 420 + 180 63 1863

76 × 36 = 2736

47	×	63	=	29	961
-1/	~	00	_	~	/01

	40	7
60	2400	420
3	120	21
		2400 + 420 120 <u>21</u> 2961

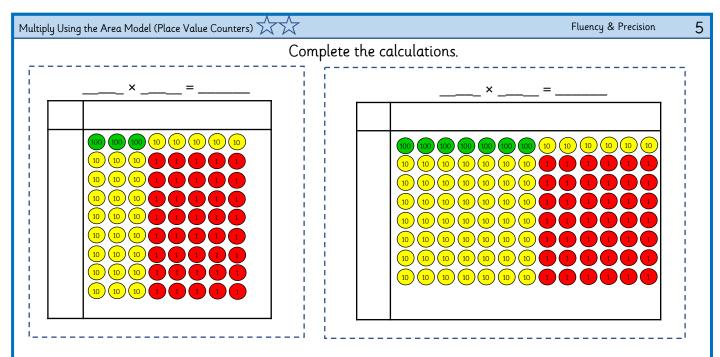
29 × 66 = 1914

	20	9
60	1200	540
6	120	54
		1200

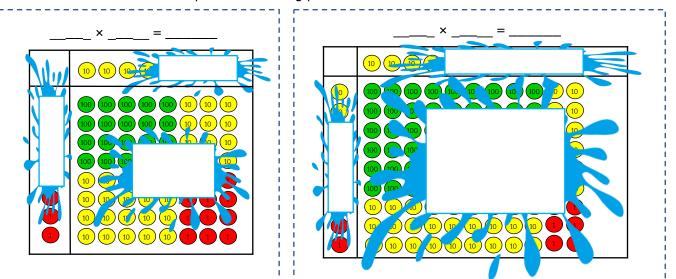
12	U	U
5	4	0

84 ×	83 =	6972
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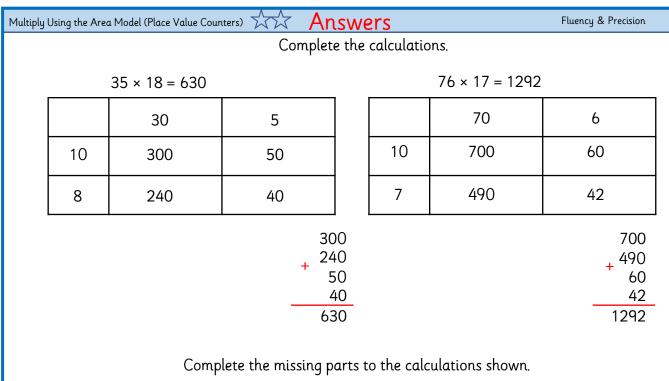
4
320
12
6400 + 320 240 12 6972



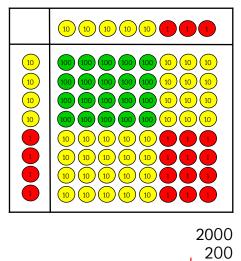
Complete the missing parts to the calculations shown.



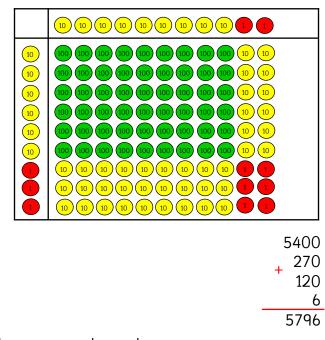
Complete the calculations using place value counters. 88 × 91 = _____ + + _____ materthecurriculum.co.uk



53 × 44 = 2332



92 × 63 = 5796



5

Complete the calculations using place values.

120

2332

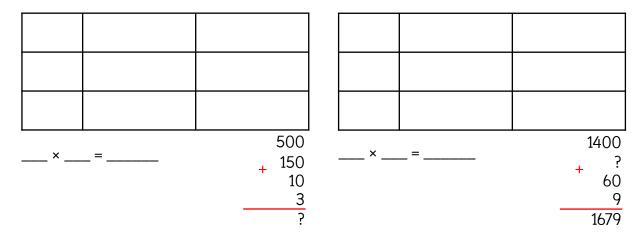
12

88 × 91 = 8008

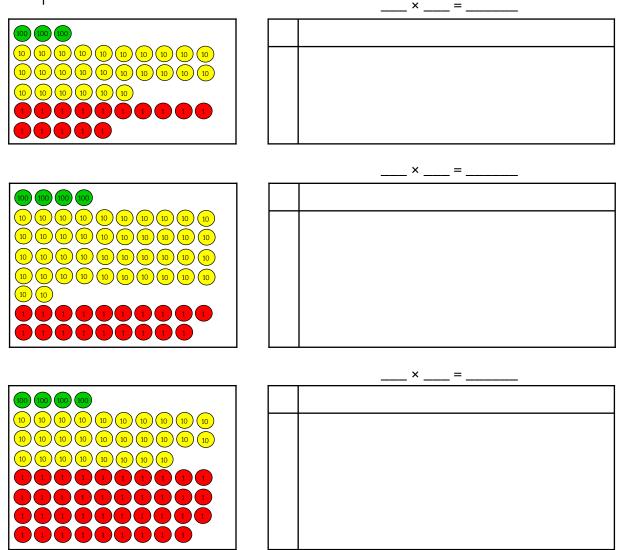
	80	8	7200 7200
90	7200	720	80 8
1	80	8	8008

5

Fill in the blanks with correct place value counters and solve the calculation.



Someone mixed hundreds, tens and ones of two factors and product of multiplication. Susan wants to renew them using the area model. How she can complete the table to get the correct multiplication sentence and model?



Multiply Using the Area Model (Place Value Counters)

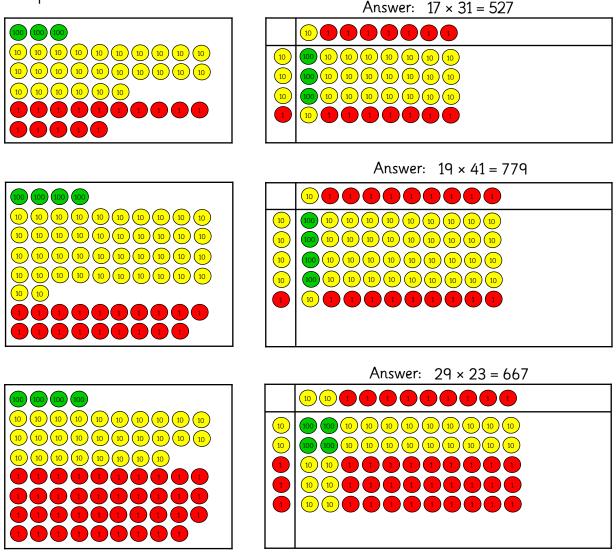
5

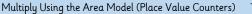
Fill in the blanks with correct place value counters and solve the calculation.

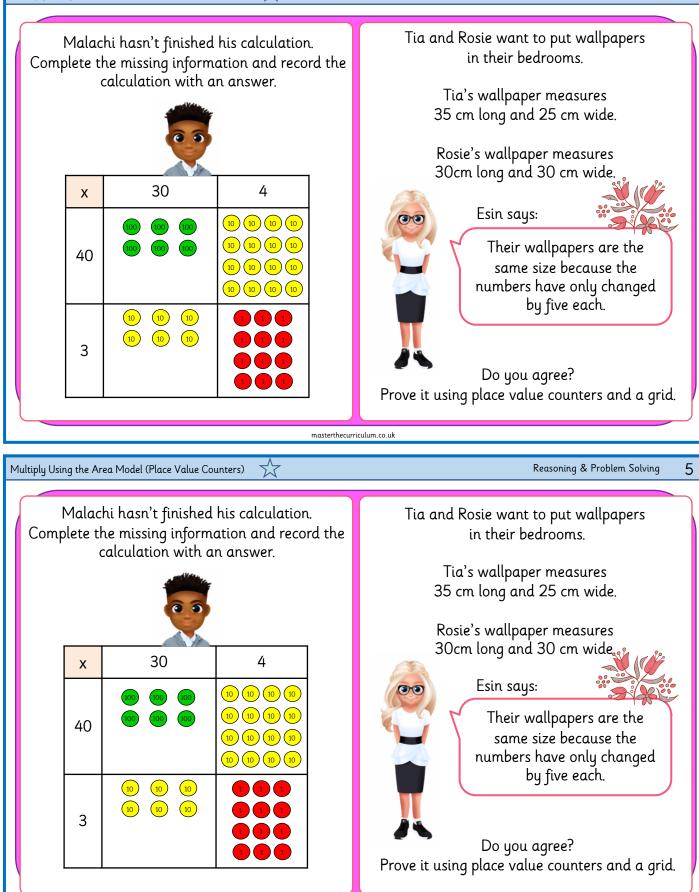
	50	1
10	500	10
3	150	3
51 × 13 = 663		500 + 150 10 3

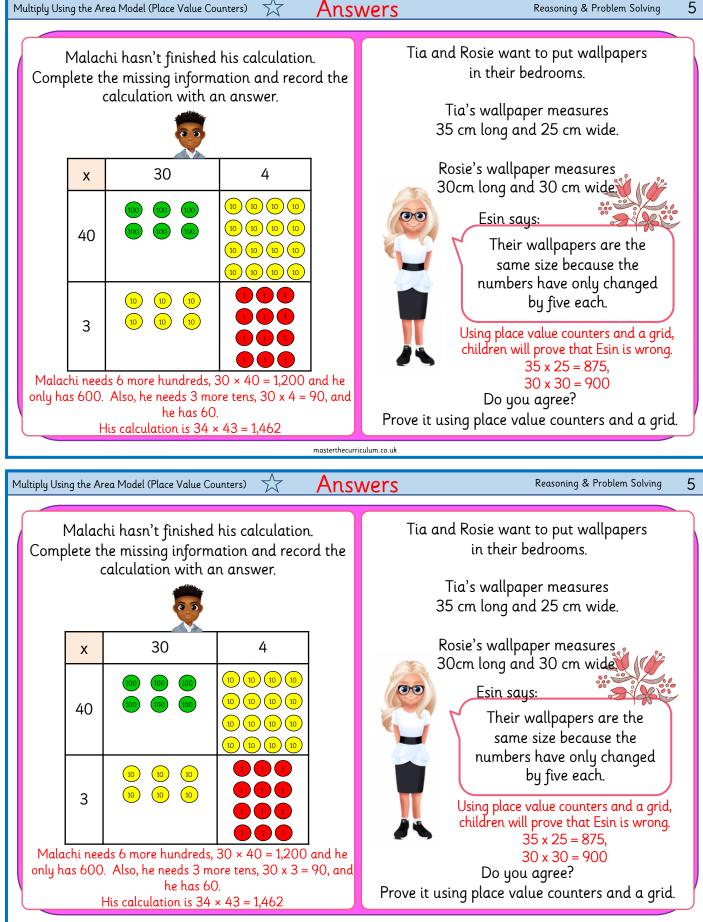
	70	3
20	1400	60
3	210	٩
73 × 23 = 1679		1400 + <mark>210</mark> 60 9 1679

Someone mixed hundreds, tens and ones of two factors and product of multiplication. Susan wants to renew them using the area model. How she can complete the table to get the correct multiplication sentence and model?

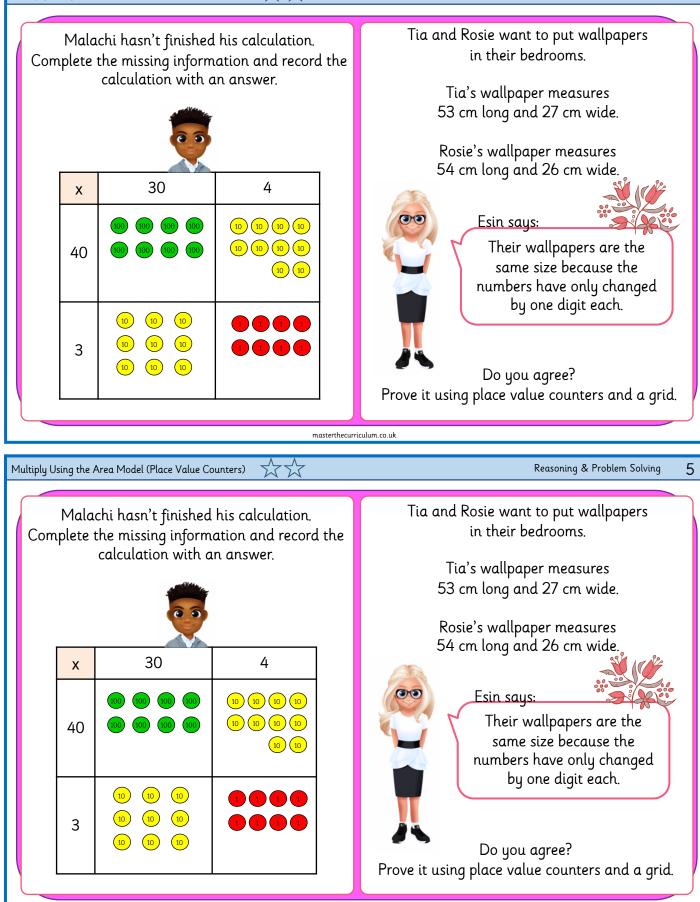


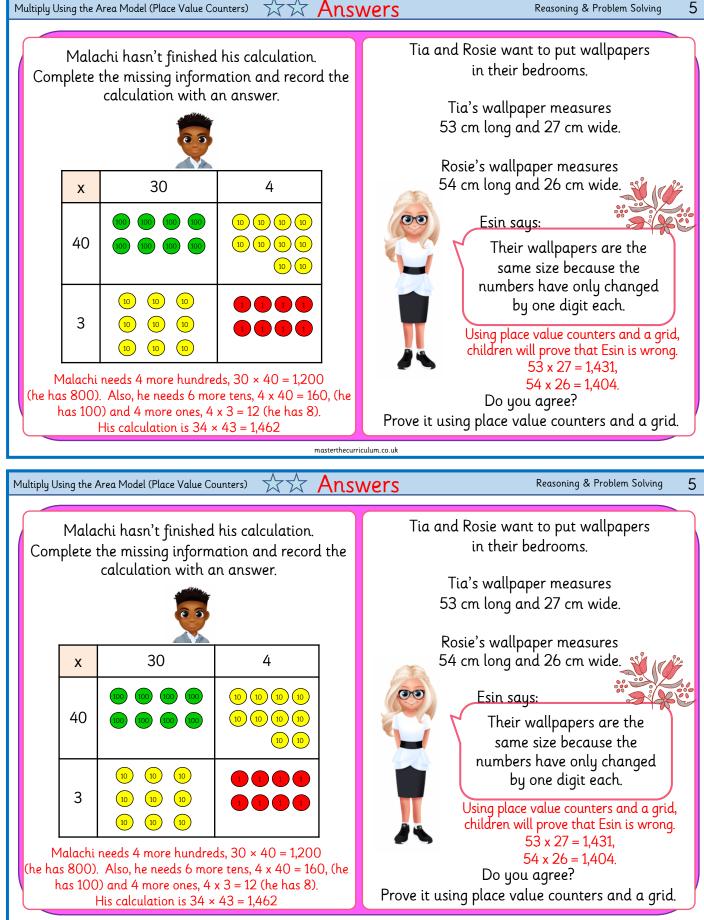






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