Varied Fluency
Step 2: Multiply 2 Digits 1

National Curriculum Objectives:

Mathematics Year 5: (5C6a) Multiply and divide numbers mentally drawing upon known facts
Mathematics Year 5: (5C7a) 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

Differentiation:

Developing Questions to support multiplying two 2-digit numbers using area models with Base 10 and no exchanges.
Expected Questions to support multiplying two 2-digit numbers using area models with Base 10, place value counters and numerals. Includes up to one exchange.
Greater Depth Questions to support multiplying two 2-digit numbers using some partially completed area models. Includes up to two exchanges and some use of zero as a place holder.

More Year 5 Multiplication and Division resources.

Did you like this resource? Don't forget to review it on our website.

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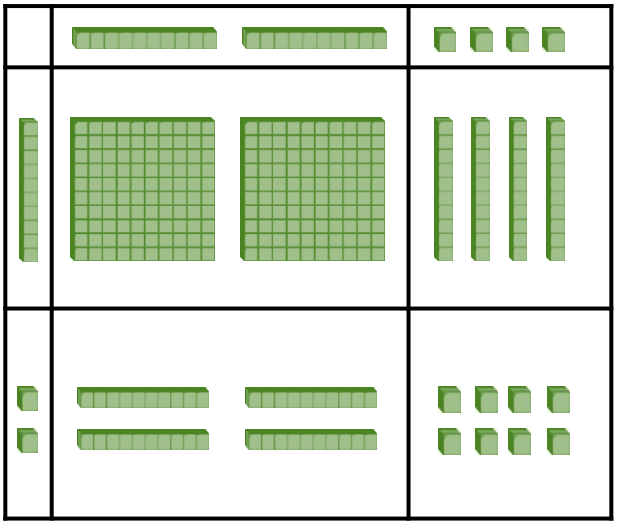
Multiply 2 Digits 1

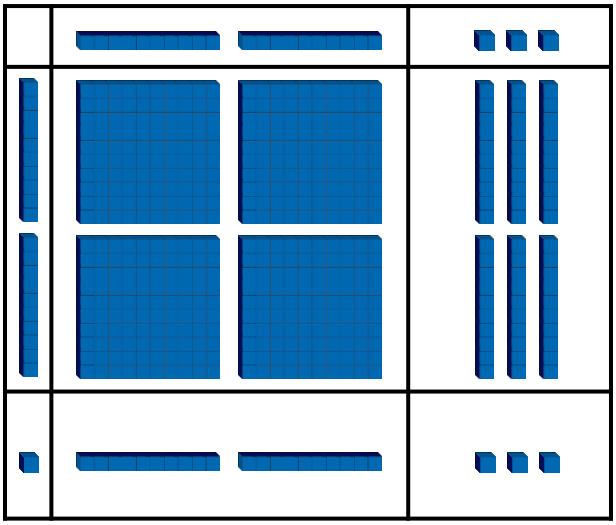
1a. What calculation is represented below?



☐ x ☐ = ☐

VF

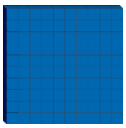
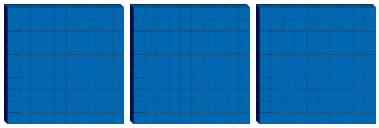
1b. What calculation is represented below?



☐ x ☐ = ☐

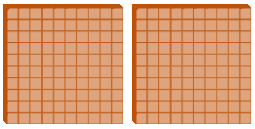
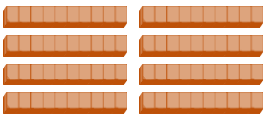
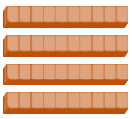
VF

2a. Use the area model to circle the mistake.

	10	3
10		
2		

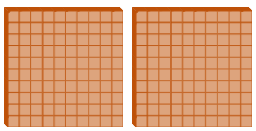
VF

2b. Use the area model to circle the mistake.

	20	1
10		
4		

VF

3a. Complete the area model and use the information to finish the calculation.

	20	5
10		
1		

☐ x ☐ = ☐

VF

3b. Complete the area model and use the information to finish the calculation.

	30	2
30		
1		

☐ x ☐ = ☐

VF

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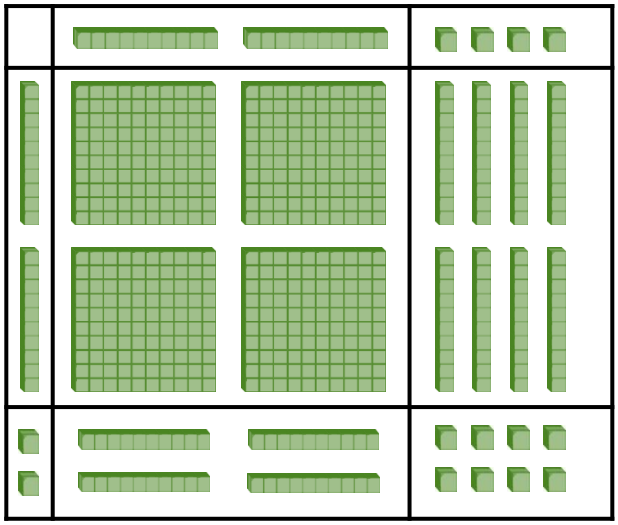
Multiply 2 Digits 1

Multiply 2 Digits 1

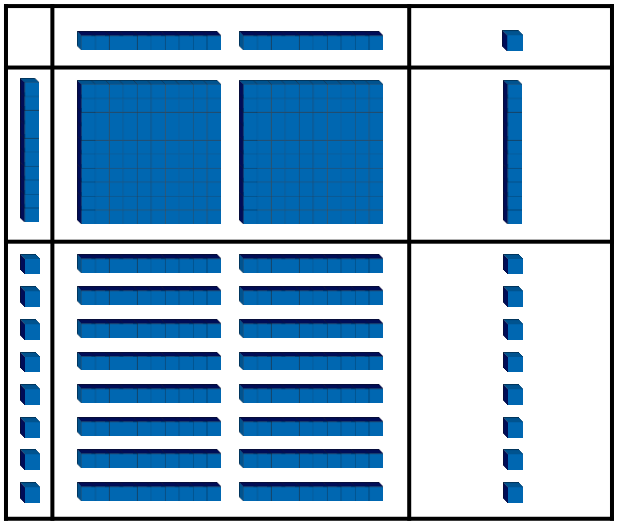
4a. What calculation is represented below?



☐ x ☐ = ☐

VF

4b. What calculation is represented below?



☐ x ☐ = ☐

VF

5a. Use the area model to circle the mistake.

	30	3
20	100 100 100 100 100 100	1 1 1 1 1 1
2	10 10 10 10 10 10	1 1 1 1 1 1

VF

5b. Use the area model to circle the mistake.

	20	5
30	100 100 100 100 100 100	10 10 10 10 10 10 10 10 10 10 10 10 10 10 10
1	1 1	1 1 1 1 1

VF

6a. Complete the area model and use the information to finish the calculation.

	40	
20	100 100 100 100 100 100 100 100	10 10 10 10 10 10 10 10
1		1 1 1 1

☐ x ☐ = ☐

VF

6b. Complete the area model and use the information to finish the calculation.

		9
30	100 100 100	
1	10	

☐ x ☐ = ☐

VF

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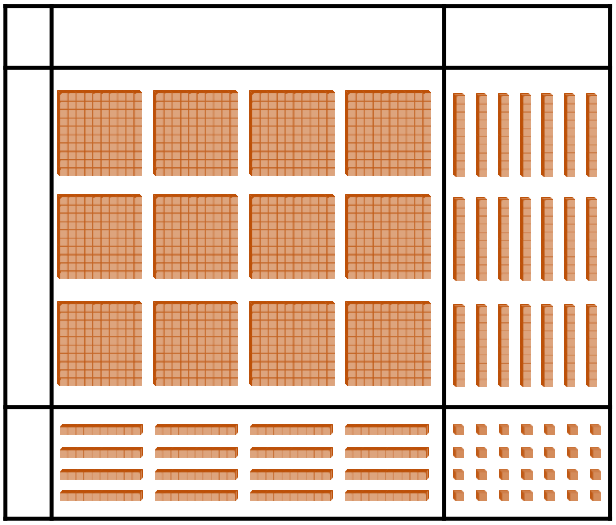
Multiply 2 Digits 1

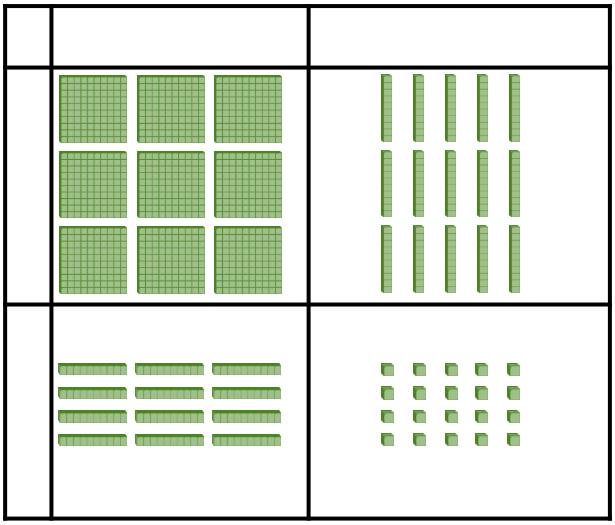
Multiply 2 Digits 1

7a. What calculation is represented below?



GD ☐ x ☐ = ☐ VF

7b. What calculation is represented below?



GD ☐ x ☐ = ☐ VF

8a. True or false? 81 x 13 = 1,053

	80	1
10		
3		

GD Use the area model to help you. VF

8b. True or false? 94 x 22 = 2,086

	90	4
20		
2		

GD Use the area model to help you. VF

9a. Complete the area model and use the information to finish the calculation.

	50	
30	100 100 100 100 100 100 100 100 100 100 100 100 100 100 100	
1		1 1 1

GD ☐ x ☐ = ☐ VF

9b. Complete the area model and use the information to finish the calculation.

		1
30		10 10 10
2	10 10 10 10 10 10 10 10	

GD ☐ x ☐ = ☐ VF

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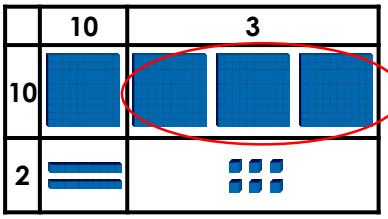
Varied Fluency
Multiply 2 Digits 1

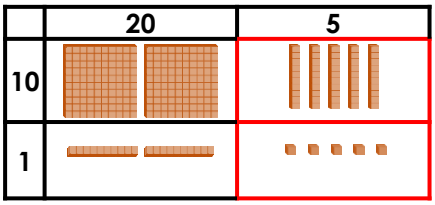
Developing

1a. 12 x 24 = 288

2a.



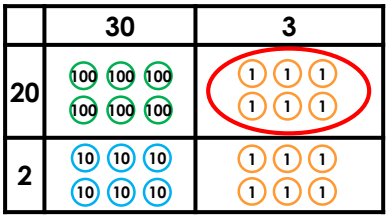
3a. 11 x 25 = 275



Expected

4a. 22 x 24 = 528

5a.



6a. 21 x 44 = 924

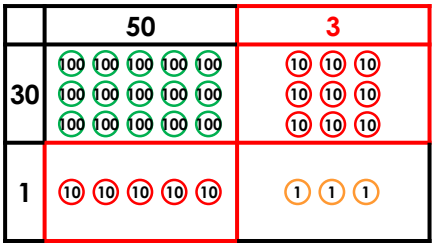
Greater Depth

7a. 34 x 47 = 1,598

8a. True

	80	1
10	800	10
3	240	3

9a. 31 x 53 = 1,643



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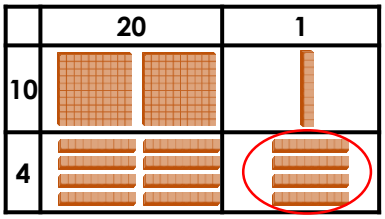
Multiply 2 Digits 1

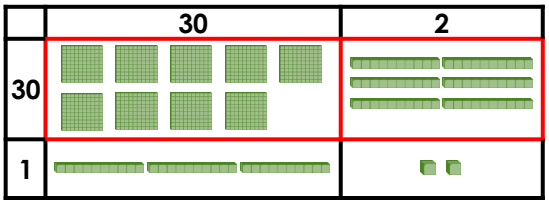
Developing

1b. 23 x 21 = 483

2b.



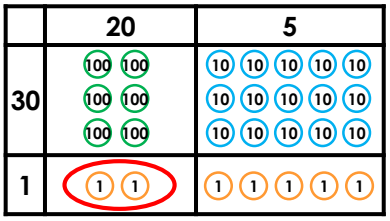
3b. 31 x 32 = 992



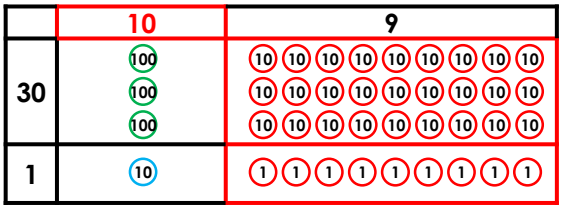
Expected

4b. 18 x 21 = 378

5b.



6b. 31 x 19 = 589



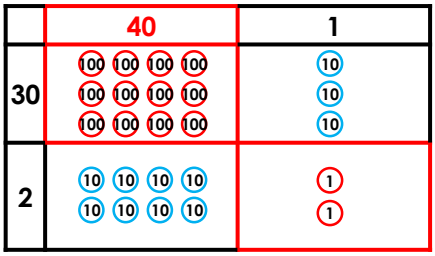
Greater Depth

7b. 34 x 35 = 1,190

8b. False, the answer is 2,068.

	90	4
20	1,800	80
2	180	8

9b. 32 x 41 = 1,312



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