Homework/Extension
Step 3: Multiply 2 Digits by 1 Digit 1

National Curriculum Objectives:

Mathematics Year 3: (3C6) Recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables
Mathematics Year 3: (3C7) Write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods
Mathematics Year 3: (3C8) Solve problems, including missing number problems, involving multiplication and division, including positive integer scaling problems and correspondence problems in which *n* objects are connected to *m* objects

Differentiation:

Questions 1, 4 and 7 (Varied Fluency)
Developing Identify the odd one out. Supporting multiplying a 2-digit number by a 1-digit number (with no exchanges) using knowledge of the 2, 3, 4, 5 and 8 times tables. Pictorial support and scaffolding given.
Expected Identify the odd one out. Supporting multiplying a 2-digit number by a 1-digit number (with no exchanges) using knowledge of the 2, 3, 4, 5 and 8 times tables. Pictorial support given.
Greater Depth Complete the representations so there is an odd one out. Supporting multiplying a 2-digit number by a 1-digit number (with no exchanges) using knowledge of the 2, 3, 4, 5 and 8 times tables.

Questions 2, 5 and 8 (Varied Fluency)
Developing Match the representation to the multiplication sentence and complete it. Differentiation same as question 1.
Expected Match the representation to the multiplication sentence and complete it. Differentiation same as question 4.
Greater Depth Complete the multiplication sentences for the different representations. Differentiation same as question 7.

Questions 3, 6 and 9 (Reasoning and Problem Solving)
Developing Identify who is correct and explain why by completing the missing answer. Differentiation same as question 1.
Expected Identify who is correct and explain why by completing the missing number. Differentiation same as question 4.
Greater Depth Identify who is correct and explain why by completing the missing calculation. Differentiation same as question 7.

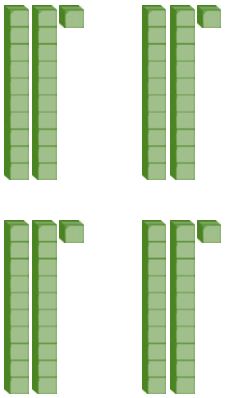
More Year 3 Multiplication and Division resources.

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

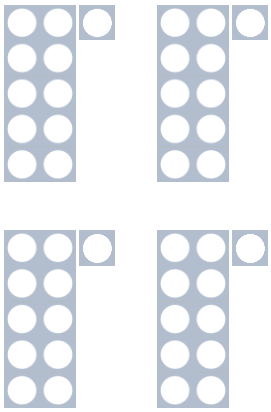
Multiply 2 Digits by 1 Digit 1

1. Which representation is the odd one out?

A.



B.



C.

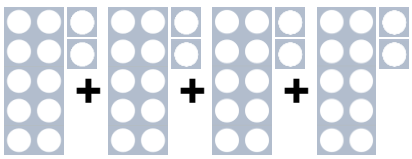
T	O
●●	●
●●	●
●●	●
●●	●

D

VF
HW/Ext

2. Match the representations to the correct multiplication sentences and complete.

A.



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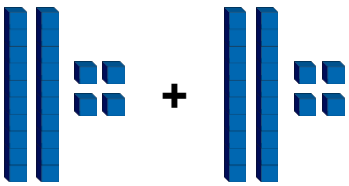

C.

T	O
●●	●●●
●●	●●●
●●	●●●

1. 24 x 2 = ☐
2. 23 x 3 = ☐
3. 12 x 4 = ☐

D

VF
HW/Ext

3. Ryan and Kelsi are finding the missing number in the calculation.

I think the missing number is 36

Ryan

13 x 3 = ☐

I think the missing number is 39

Kelsi

T	O
●	●●●
●	●●●
●	●●●

Who do you agree with? Explain your choice.

D

RPS
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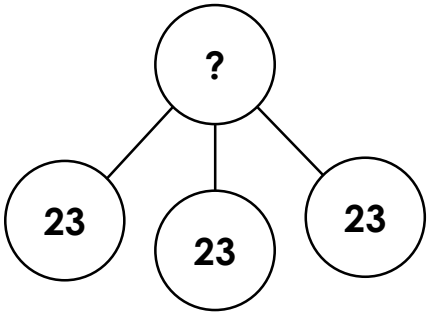
Multiply 2 Digits by 1 Digit 1

4. Which representation is the odd one out?

A.

	T	O
	2	3
x		4
	?	?

B.



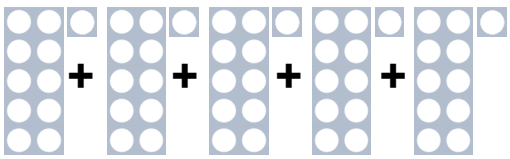
C.

T	O
●●	●●●
●●	●●●
●●	●●●

VF
HW/Ext

5. Match the representations to the correct multiplication sentences and complete.

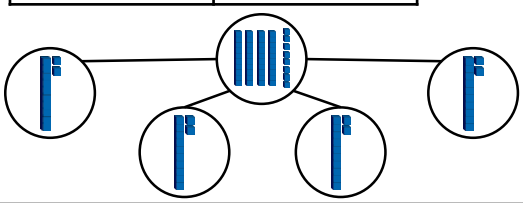
A.



B.

T	O
●●	●
●●	●
●●	●

C.



1. ☐ x 4 = ☐

2. 11 x ☐ = ☐

3. ☐ x 3 = ☐

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6. Gabriella and Troy are finding the missing numbers in the calculation.

I think the missing numbers are 33 and 99

Gabriella

I think the missing numbers are 31 and 93

Troy

Who do you agree with? Explain your choice.

3 x ☐ = ☐

T	O
●●●	●
●●●	●
●●●	●

RPS
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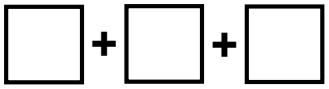
Multiply 2 Digits by 1 Digit 1

7. Complete representations B and C so that C is the odd one out.

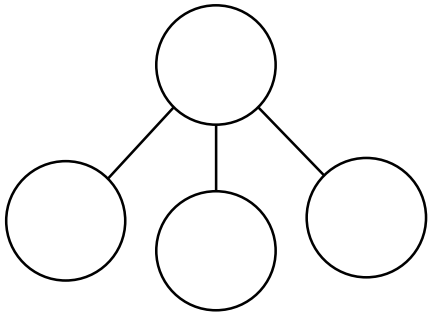
A.

	T	O
	3	3
x		3
	9	9

B.



C.



GD

VF
HW/Ext

8. Write the multiplication sentence to match the representation.

A. 43 + 43 → ☐ x 2 = ☐

B.

	T	O
	2	1
x		4

→ 21 x ☐ = ☐

C. 23 + 23 + 23 → ☐ x 3 = ☐

GD

VF
HW/Ext

9. Chad and Zara are finding the missing numbers in the calculation.

I think the missing calculation is 11 x 8

Chad

I think the missing calculation is 22 x 4

Zara

☐ x ☐ = 88

Who do you agree with? Explain your choice.

GD

RPS
HW/Ext

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Developing

1. B
2. A3 – 12 x 4 = 48; B1 – 24 x 2 = 48; C2 – 23 x 3 = 69
3. I agree with Kelsi because 10 x 3 = 30 and 3 x 3 = 9 therefore 13 x 3 = 39.

Expected

4. A
5. A2 – 11 x 5 = 55; B3 – 21 x 3 = 63; C1 – 12 x 4 = 48
6. I agree with Troy because 3 x 30 = 90 and 3 x 1 = 3, therefore 3 x 31 = 93.

Greater Depth

7. Various answers for C. Accept any answer where B shows 33 x 3 = 99 and C shows a different calculation.
8. A – 43 x 2 = 86; B – 21 x 4 = 84; C – 23 x 3 = 69
9. Chad and Zara are both correct because 11 x 8 = 88 and 22 x 4 =88.