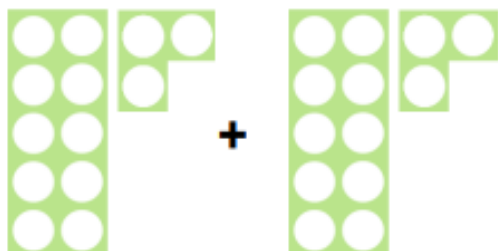


## Multiplication Challenge Questions

Please choose the challenge you are most comfortable with. The stars indicate the difficulty of the questions.

1.



$$13 + 13 = \square$$

$$13 \times 2 = \square$$

2.

True or false?  $33 \times 3 = 89$

T	O
● ● ●	● ● ●
● ● ●	● ● ●
● ● ●	● ● ●

$$33 + 33 + 33 = \square$$

$$33 \times 3 = \square$$

3.

1a. Rehan and Destiny have solved the following multiplications.



	T	O
	3	2
x		2
	5	4

Rehan

	T	O
	2	1
x		2
	4	2



Destiny

T	O
● ● ●	● ●
● ● ●	● ●

T	O
● ●	●
● ●	●

Are they both correct?  
Explain how you know.



X								
+				(			)	
				(			)	
				(			)	

X								
+				(			)	
				(			)	
				(			)	

VF

X								
+				(			)	
				(			)	
				(			)	



1.

Complete the calculation below.

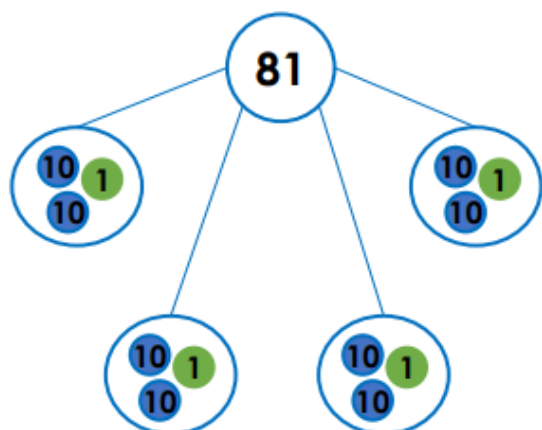
T	O
● ●	● ●
● ●	● ●
● ●	● ●
● ●	● ●

$$\square \times 4 = \square$$

x								
+				(			)	
				(			)	
				(			)	

2.

True or false?  $21 \times 4 = 81$



x								
+				(			)	
				(			)	
				(			)	

3.

Brody and Rose have solved the following multiplications.



	T	O
	3	3
x		3
	9	9

Brody

	T	O
	3	2
x		3
	9	5



Rose

Are they correct?

Explain how you know, using a place value grid to show your working.

x								
+				(			)	
				(			)	
				(			)	



1.

Draw the missing place value counters to complete the calculation.

T	O
	● ●
	● ●
	● ●
	● ●

$$12 \times \boxed{\phantom{00}} = \boxed{\phantom{00}}$$

x								
				(			)	
+				(			)	
				(			)	

2.

True or false?  $41 \times 2 = 84$

x								
				(			)	
+				(			)	
				(			)	

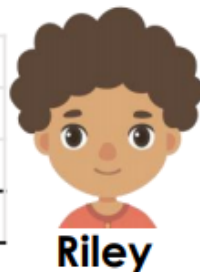
3.

Sara and Riley have multiplied the same number by different amounts.



T	O
?	?
x	2
	4 6

T	O
?	?
x	3
	6 9



x								
				(			)	
+				(			)	
				(			)	

What was their number?  
Explain how you know, using a place value grid to show your working.