

L.I: Adding 3d and 3d numbers



using problem solving and reasoning

Practice questions:

Using the column method, work out the below calculation:

$$\begin{array}{r} 525 \\ 166+ \\ \hline \\ \hline \end{array}$$

Activate Windows

How many mistakes can you spot?

What are they?


What is the correct answer?

$$\begin{array}{r} \text{HOT} \\ 22 \\ 195 + \\ \hline 315 \\ \hline \end{array}$$

Can you solve this question using the column method?

1a. $435 + 263$

	H	T	O
+			

 VF

What steps did you follow to work out the answer?

4a. Jon says that these both give the same answer. Do you agree?

A.

	H	T	O
+			

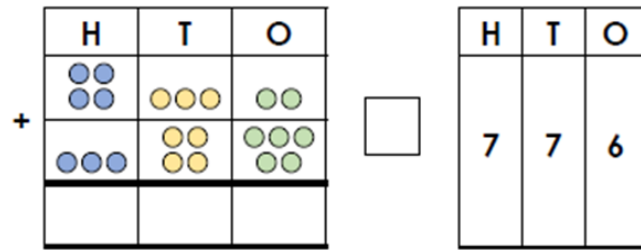
B.

	H	T	O
+			



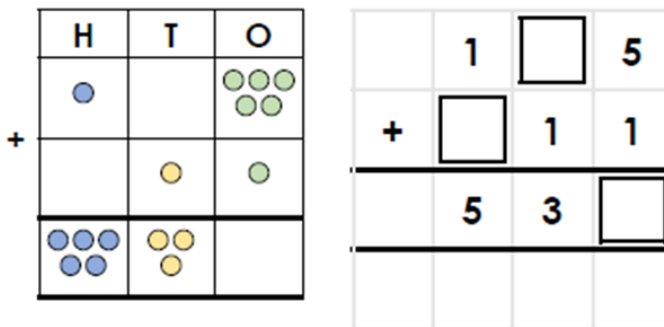
< means less than, > means greater than and = means the same as

6a. Fill in the box using <, > or =



VF

7a. Fill in the missing representations.



VF

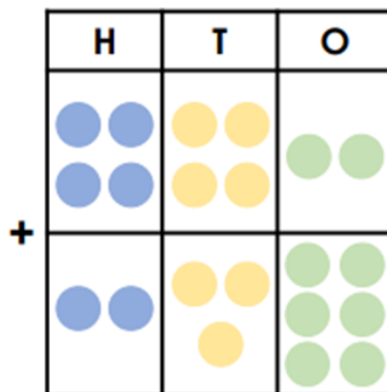
Hint: Think about which column you need to start with first.

4. Match $442 + 236$ to the correct representation.

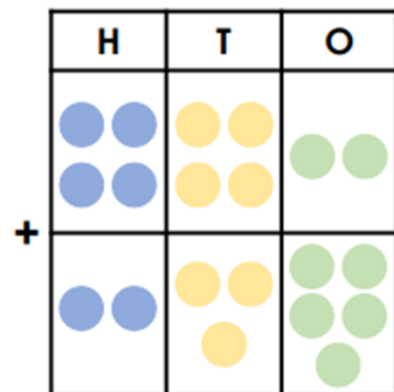
A.



B.



C.



VF
HW/Ext

Think about what steps you must take to work out each answer.

Have a think about how easy or difficult you found those questions. Pick either the bronze, silver or gold questions and work through these in your exercise book.

Bronze

Silver

1b. $352 + 436$

	H	T	O
	■ ■ ■		■ ■
+	■ ■ ■ ■		■ ■ ■ ■
<hr/>			

5b. 441 add 526

	H	T	O
	● ● ● ●	● ● ● ●	●
+	● ● ● ● ●	● ●	● ● ● ● ● ● ● ●
<hr/>			

2b. Fill in the box using $<$, $>$ or $=$

	H	T	O		H	T	O
	■ ■ ■		■ ■ ■ ■				
+	■ ■ ■ ■ ■		■ ■	<input type="text"/>	5	4	6
<hr/>							

6b. Fill in the box using $<$, $>$ or $=$

	H	T	O		H	T	O
	● ● ● ●	● ● ● ●	● ● ● ● ● ●				
+	● ● ● ● ●	● ●	● ● ● ●	<input type="text"/>	9	8	8
<hr/>							

4b. Chloe says that these both give the same answer. Do you agree?

A.	B.																														
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7b. Fill in the missing representations.

	H	T	O				
	● ●		● ● ● ● ● ●		2	<input type="text"/>	6
+		● ● ●	● ● ●	<input type="text"/>	3	2	
<hr/>					6	6	<input type="text"/>
<hr/>							

7b. Fill in the missing representations.

	H	T	O				
	● ●		● ● ● ● ● ●		2	<input type="text"/>	6
+		● ● ●	● ● ●	<input type="text"/>	3	2	
<hr/>					6	6	<input type="text"/>
<hr/>							

12b. Zak says that one of these gives a different answer to the others. Do you agree?

A.	B.				
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362	524				

1. Match $356 + 323$ to the correct representation.

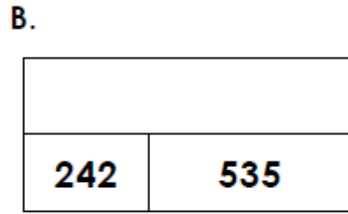
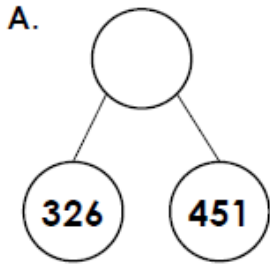
A.	B.	C.																																													
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C. Four hundred and forty-one add 445



Gold

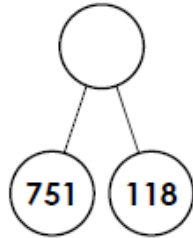
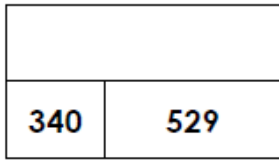
12a. Poppy says that one of these gives a different answer to the others. Do you agree?



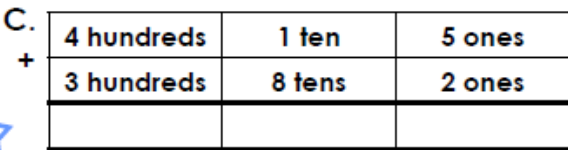
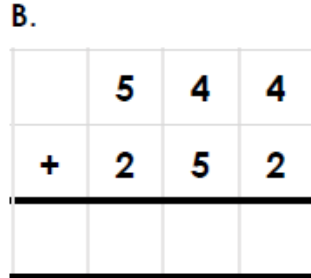
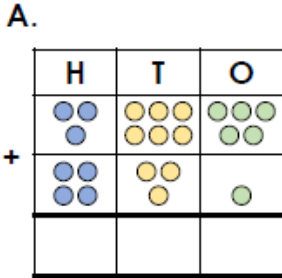
C. **371 add four hundred and sixteen**



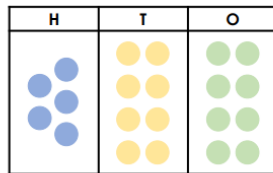
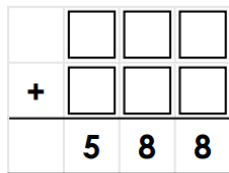
10a. Fill in the box using $<$, $>$ or $=$



8a. Adam says that these all give the same answer. Do you agree?



6. Use the digit cards to find two 3-digit numbers that total the number shown. Find 5 different ways to complete the calculation.



HW

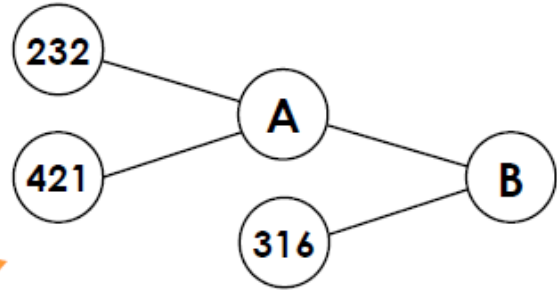
Platinum

11a. Fill in the missing numbers.

___ hundred
and thirty-___
add six hundred
and ___ six
equals eight
hundred and
seventy-nine.

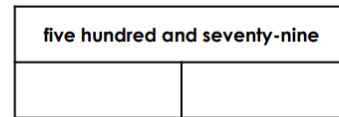


9a. Find the value of A and B.



VF

9. Use the digit cards to find two 3-digit numbers that total the number shown. Find 5 different ways to complete the bar model.



RPS
HW/Ex1