


ROUTEWAY THROUGH WRITTEN CALCULATION - ADDITION

Addition – not crossing a boundary e.g. 25 + 51



$$\begin{array}{r} 25 \\ +51 \\ \hline \end{array}$$

H	T	O
	10 10	1 1 1 1
	10 10 10	1

Make the both of the numbers using the place value counters

$$\begin{array}{r} 25 \\ +51 \\ \hline 6 \end{array}$$

H	T	O
	10 10	
	10 10 10	
	10 10 10	1 1 1 1

Combine all of the '1' counter

$$\begin{array}{r} 25 \\ +51 \\ \hline 76 \end{array}$$

H	T	O
	10 10 10 10	1 1 1 1

Combine all of the '10' counters

Addition – crossing a boundary e.g. 25 + 47

$$\begin{array}{r} 25 \\ +47 \\ \hline \end{array}$$

H	T	O
	10 10	1 1 1 1
	10 10 10	1 1 1 1

Make each number using the place value counters

$$\begin{array}{r} 25 \\ +47 \\ \hline \end{array}$$

H	T	O
	10 10	
	10 10 10	
		1 1 1 1 1 1 1 1

Combine all of the '1' counters

$$\begin{array}{r} 25 \\ +47 \\ \hline 2 \\ 1 \end{array}$$

H	T	O
	10 10	
	10 10 10	
	10	1 1

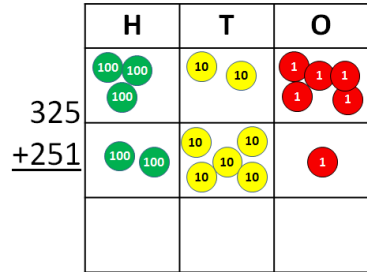
Regroup ten '1' counters for one '10' counter

$$\begin{array}{r} 25 \\ +47 \\ \hline 72 \\ 1 \end{array}$$

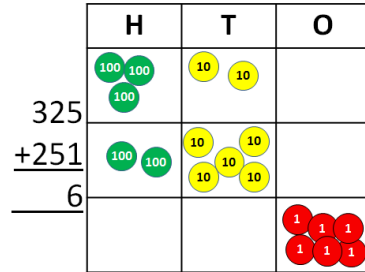
H	T	O
	10 10 10 10	1 1

Combine all of the '10' counters

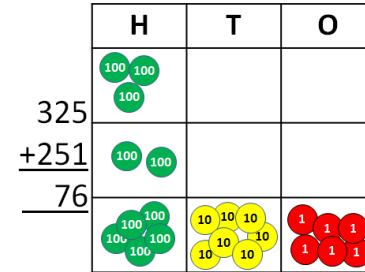
Addition – not crossing a boundary e.g. 325 + 251



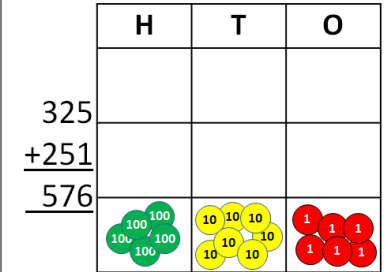
Make the both of the numbers using the place value counters



Combine all of the '1' counter

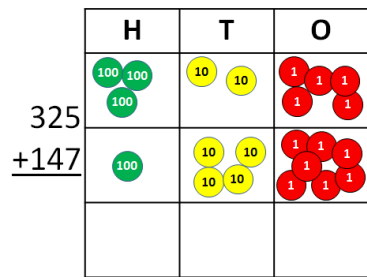


Combine all of the '10' counters

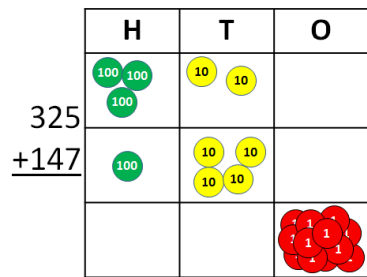


Combine all of the '100' counters

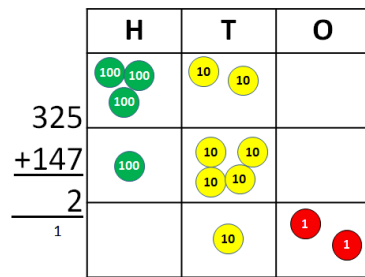
Addition – crossing a boundary e.g. 325 + 147



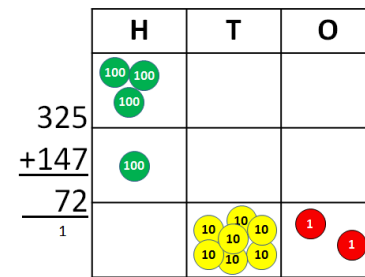
Make each number using the place value counters



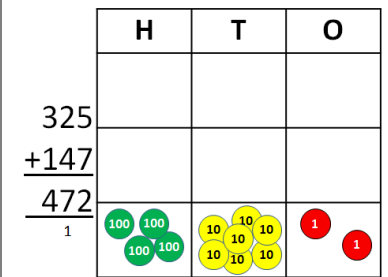
Combine all of the '1' counters



Regroup ten '1' counters for one '10' counter

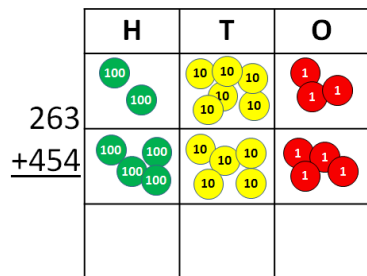


Combine all of the '10' counters

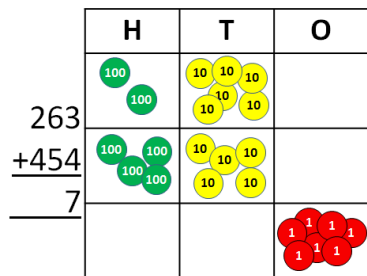


Combine all of the '100' counters

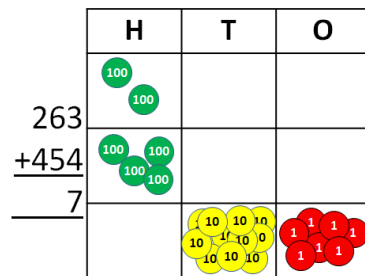
Addition – crossing a boundary e.g. 263+454



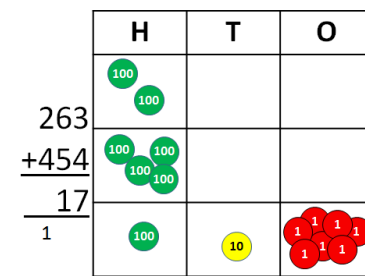
Make each number using the place value counters



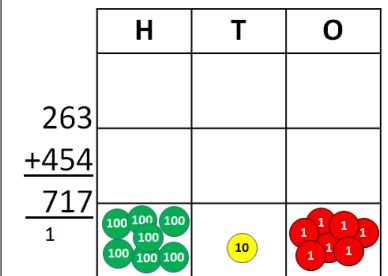
Combine all of the '1' counters



Combine all of the '10' counters

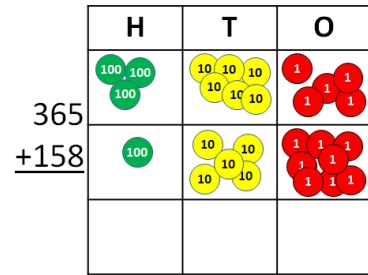


Regroup ten '10' counters for one '100' counter

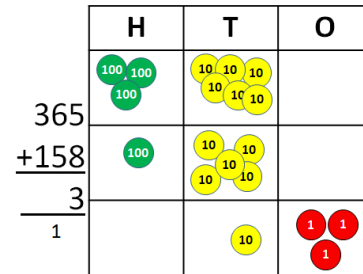


Combine all of the '100' counters

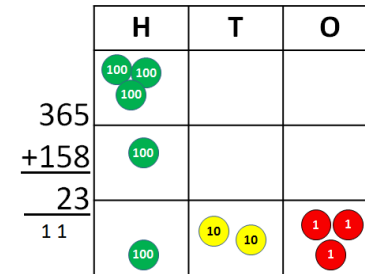
Addition – crossing two boundaries e.g. 365 + 158



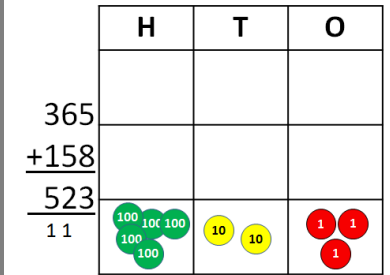
Make each number using the place value counters.



Combine all of the '1' counters. Regroup ten '1' counters for a '10' counter and place in the tens column.



Combine all of the '10' counters. Regroup ten '10' counters for a '100' counter and place in the hundreds column.



Combine all of the '100' counters.