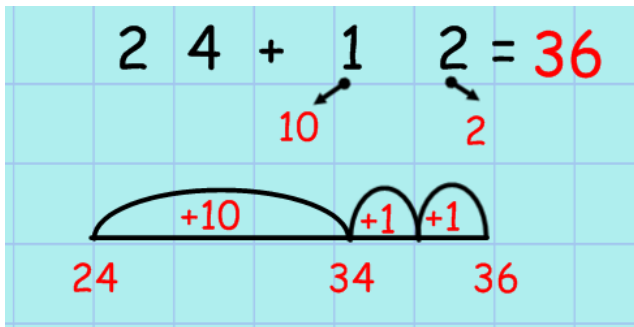


Addition methods in Year 3

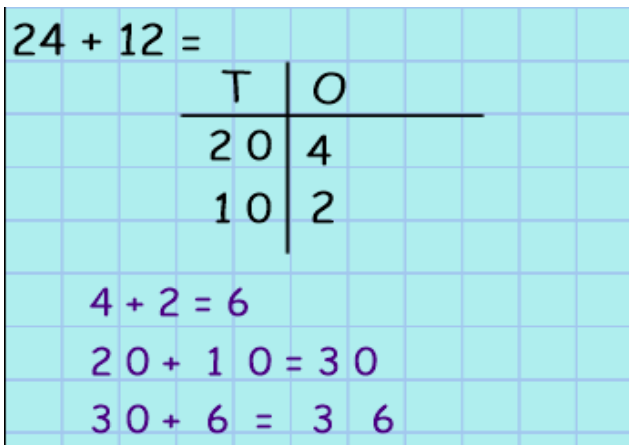
1. Number line



Steps to success

- ✓ Draw a number line
- ✓ Write the larger value number from the calculation first on the number line
- ✓ Partition the smaller value number into tens and ones
- ✓ Add the tens and write the answer underneath
- ✓ Add the ones and write the answer underneath
- ✓ Write the answer at the end of the number line

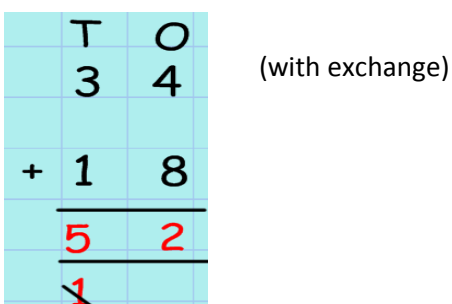
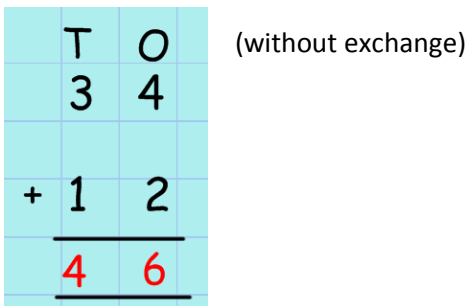
2. Partitioning



Steps to success:

- ✓ Draw a place value grid
- ✓ Partition the first number into tens (T) and ones (O) in the grid
- ✓ Partition the second number into tens and ones in the grid
- ✓ Add the ones together underneath
- ✓ Add the tens together underneath
- ✓ Add the total tens and ones together

3. Column

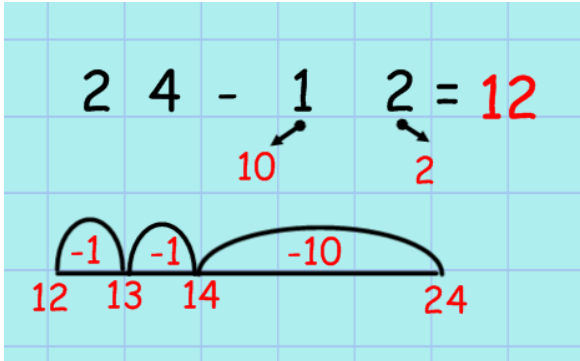


Steps to success:

- ✓ Write T and O above each column
- ✓ Partition the first number into tens and ones in the grid
- ✓ Partition the second number into tens and ones in the grid
- ✓ Add the ones together
- ✓ Write the answer under the ones column – if this goes over ten, exchange the ones for a ten and write it under the tens
- ✓ Add the tens together
- ✓ Write the answer under the tens column – remember to add any tens you have carried

Subtraction methods in Year 3

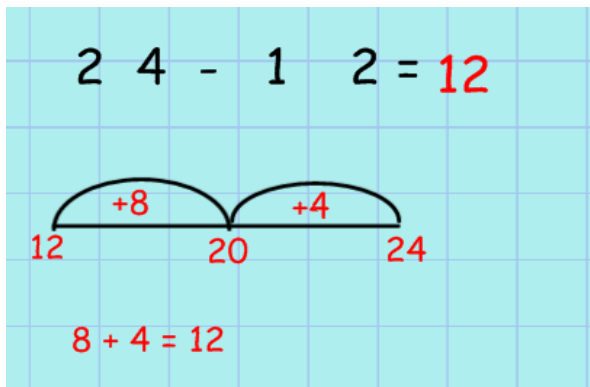
1. Number line



Steps to success

- ✓ Draw a number line
- ✓ Write the larger value number from the calculation at the end of the number line
- ✓ Partition the smaller value number into tens and ones
- ✓ Subtract the tens and write the answer underneath
- ✓ Subtract the ones and write the answer underneath
- ✓ Write the answer at the end of the number line

2. Number line (find the difference)



Steps to success

- ✓ Draw a number line
- ✓ Write the smaller value number from the calculation first on the number line
- ✓ Write the larger value number at the end of the number line
- ✓ Count on to the nearest 10 using number bonds
- ✓ Count on the remaining amount in tens or ones
- ✓ Add your total jumps together – this is your answer

3. Column

	T	O	
	3	5	(without exchange)
-	1	2	
	2	3	

	T	O	
	3 ²	15	(with exchange)
-	1	8	
	1	7	

Steps to success:

- ✓ Write T and O above each column
- ✓ Partition the first number into tens and ones in the grid
- ✓ Partition the second number into tens and ones in the grid
- ✓ Subtract the ones
- ✓ Write the answer under the ones column – if this can't be done, borrow from the tens
- ✓ Subtract the tens together
- ✓ Write the answer under the tens column