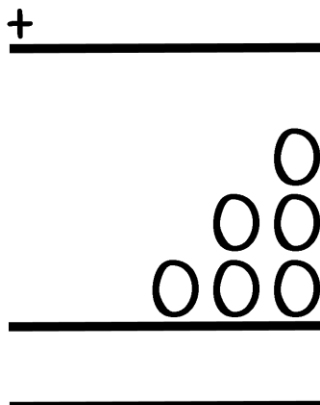


Addition: Expanded Column +

Th H T U

1. Place the two numbers
into place value columns.



2. Add the units and place the total below the units column.

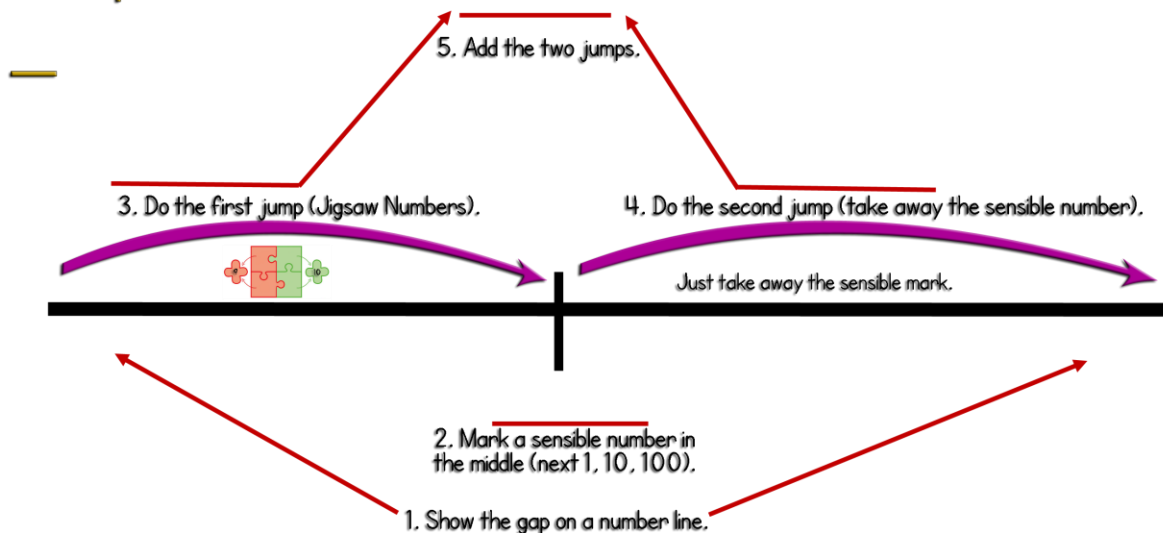
3. Add the tens and place the total below the tens column.

4. Add the hundreds and place the total below the hundreds column.
4b. And so on for any other columns...

5. Fill blank spaces in columns with zeroes as placeholders.

6. Add the sums from the second bracket to find the total.

Subtraction: Two-Jump Numberline



Multiplication: Grid method X

1. Partition the first number into the top of the grid.

2. Partition the second number into the left-hand side of the grid.

3. Multiply across the grid.

4. Add the products that you've just worked out.

Th HT U

+

0
00
000

Division: Chunking Method

÷ 134 r2

5) 672

- 500 x100

172

- 150 x30

22

- 20 x4

2

1. Say the Smile Multiplication fact that jumps out. (Where's Mully?)

2. Think how much is left over. Keep subtracting until you can't take more away.

3. Find how many 'lots' you've taken off.

4. Find how many 'lots of' there are altogether by adding.

5. Identify what is left as the remainder.