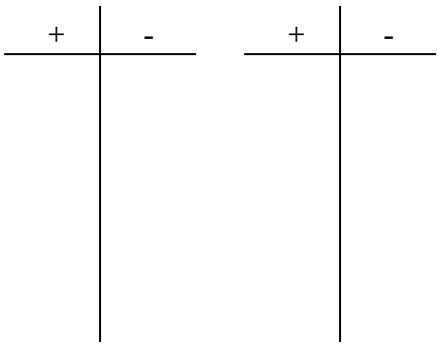
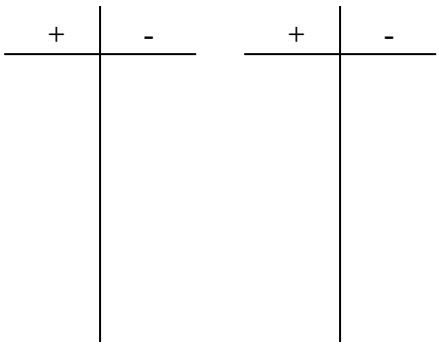
Try the following WITHOUT the use of a calculator or other technology.

1. Using an integer chip (two colour counters) diagram, illustrate the number given in TWO different ways using the ZERO Principle. (2 marks)

   (a) positive four (4)

   (b) negative six (-6)

2. Evaluate the following together by breaking the numbers up into their ones, tens and hundreds values first, and then summing the parts. (3 marks)

   (a) 24 + 65 (b) 122 + 237 (c) 236 + 348

3. Evaluate the following (you may use the number line, your fingers, integer chips, etc. but NO calculator): (9 marks)

   (a) 4 + 7 (b) 12 + (-4) (c) -9 + 15

   (d) 4 + 13 + 12 (e) 19 + (-6) + 12 (f) (-2) + (-5) + (-11)

   (g) 46 + (-22) (f) -9 + (-2) (g) -14 + (-12) + 21

4. Break the following negative numbers up into their ones, tens and hundreds values. (3 marks)

   (a) -15 (b) -127 (c) -249

5. Evaluate the following together by breaking the numbers up into their ones, tens and hundreds values first, and then summing the parts. (3 marks)

   (a) 18 - 5 (b) 88 - 23 (c) -36 - 12

6. Evaluate the following (you may use the number line, your fingers, integer chips, etc. but NO calculator): (11 marks)

   (a) 14 - 8 (b) 12 – (+3) (c) -9 - 5

   (d) 7 - 13 + (-2) (e) 9 + (-16) (f) 5 - (-1)

   (g) 6 - (-2) (h) -8 - (-5) (i) -14 - (-12)

   (j) -4 – (-5) – (-2) (k) -15 – (-17)