Topic in a Nutshell

1. State what temperatures are represented on these thermometers :-

   a

   -10°C   -5°C   0°C   5°C   10°C

   b

   -20°C   -10°C   0°C   10°C   20°C
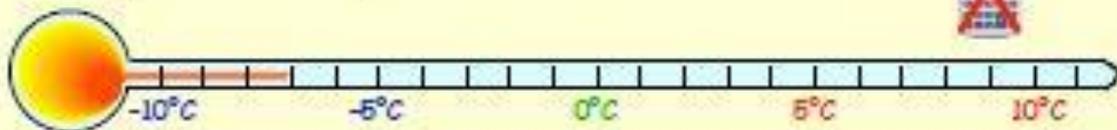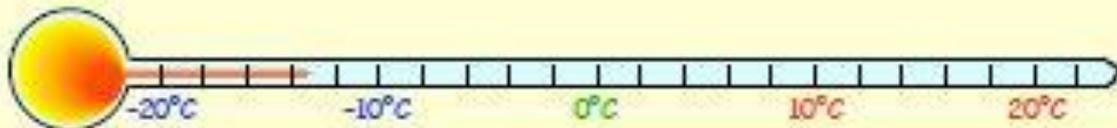
2. Jack's bank balance last month was (-£210).

   This month his wage of £600 was paid into his account, but he also paid a phone bill of £145.

   What is Jack's new bank balance ?

3. Write down what number is :-

   a   4 up from -1   b   5 down from 3

   c   8 down from -4   d   15 up from -9.

4. Find :-

   a   5 + (-3)   b   7 + (-7)   c   (-4) + 9   d   (-9) + 9

   e   (-9) + (-9)   f   (-5) + (-17)   g   (-12) + 11   h   (-101) + 102.

5. The temperature at midday in Gran Canaria was 24°C.

   At midnight it had fallen to -3°C.

   By how many degrees had the temperature fallen ?

6. Find :-

   a   6 - 8   b   5 - 12   c   (-1) - 6   d   (-4) - 9

   e   0 + (-5)   f   (-6) - 1   g   (-48) + 50   h   23 - 52.

7. a   Copy this coordinate diagram.

   b   Plot the points :-
       A(-2, 1), B(1, 3) and C(3, 0).

   c   Find a 4th point, (call it D) so
       that figure ABCD is a SQUARE.
       Show point D on your diagram and
       complete the drawing of the square.