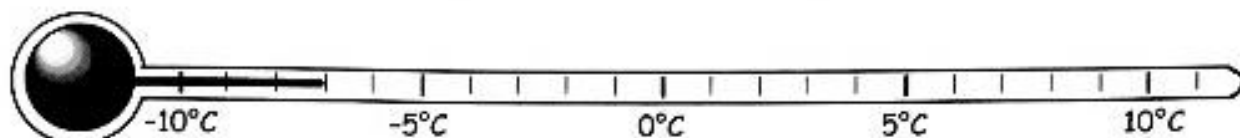


## Topic in a Nutshell

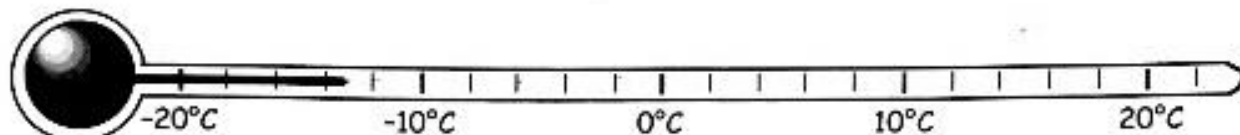


1. State what temperatures are represented on these thermometers :-

(a)



(b)



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  $24^{\circ}\text{C}$ .  
At midnight it had fallen to  $-3^{\circ}\text{C}$ .

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.

