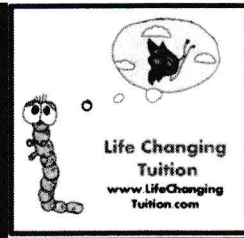
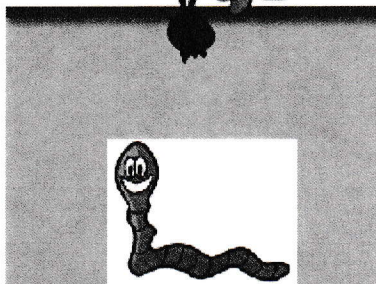
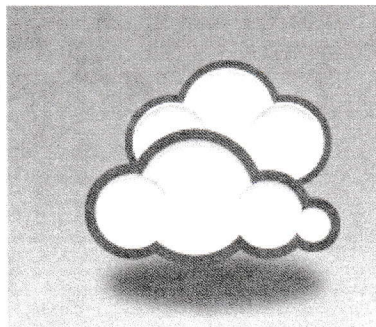
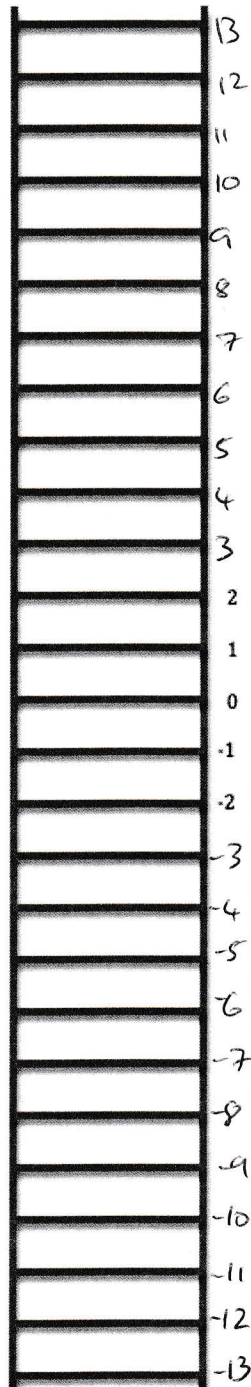
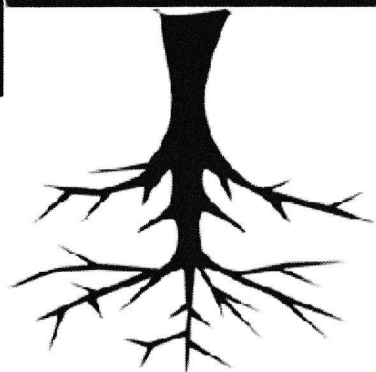
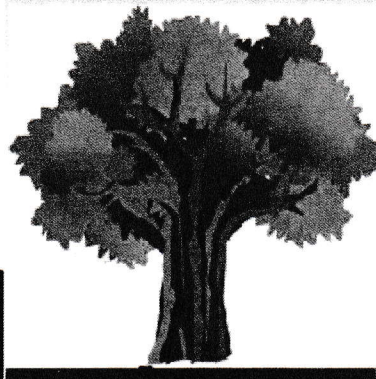
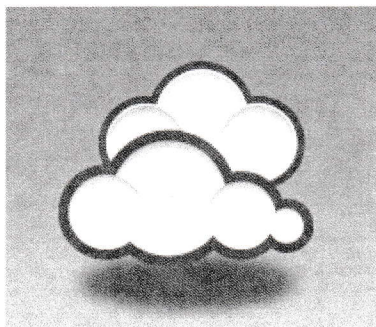


Negative Numbers (1)

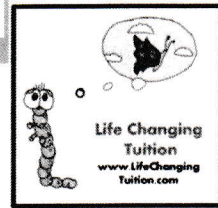
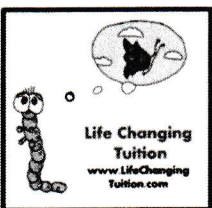
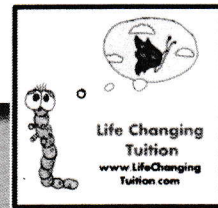


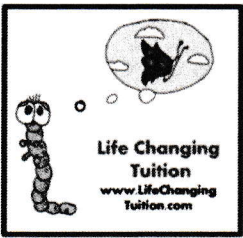
Fill the steps of the ladder – both above and below ground
(use negative numbers for below)



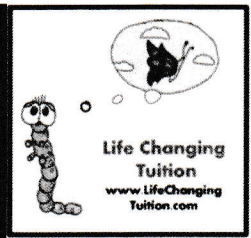
Don't forget to include 0
when you do calculate
negative problems

+ means go up
- means go down
***More you go down
the ladder - the
smaller the number**

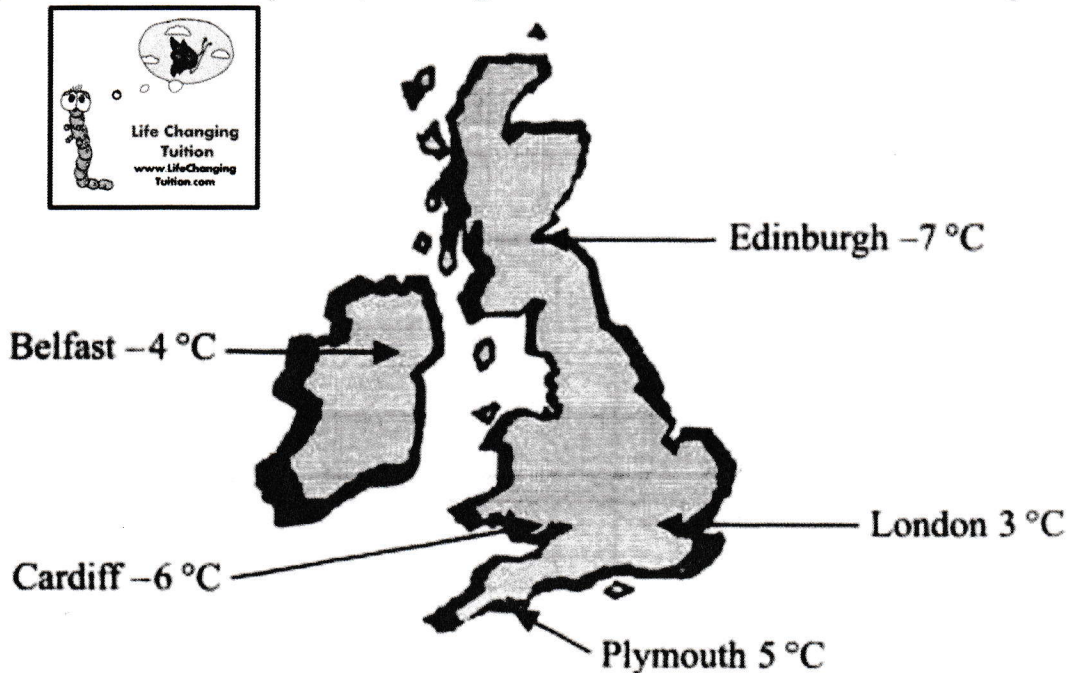




Negative Numbers (2)



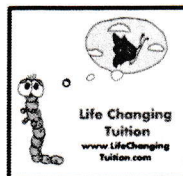
The temperatures in some places, one night last winter are shown on the map.



- (a) (i) Write down the names of the two places that had the biggest difference in temperature.

.....Plymouth and Edinburgh.....

- (ii) Work out the difference in temperature between these two places.

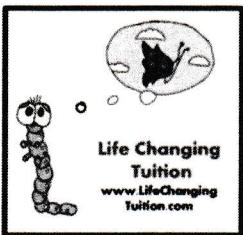


.....12..... $^{\circ}\text{C}$

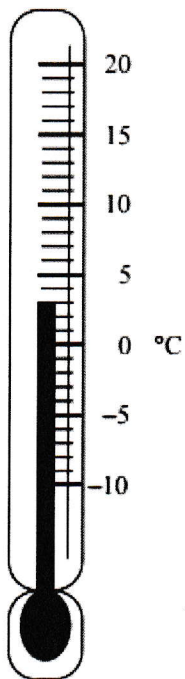
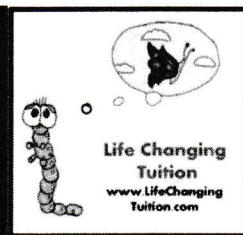
- (b) Two pairs of places have a difference in temperature of 2°C . Write down the names of these places.

(i)Belfast..... andCardiff.....

(ii)Plymouth..... andLondon.....



Negative Numbers (3)



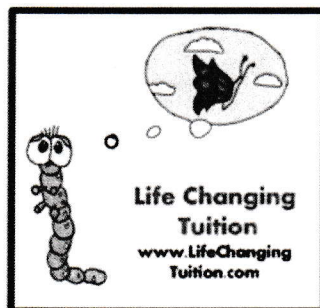
Write down the temperature shown on the thermometer.

..... 3 °C

The temperature falls by 8°C.

Work out the new temperature.

..... -5 °C



Sally wrote down the temperature at different times on 1st January 2003.

| Time | Temperature |
|----------|-------------|
| midnight | -6 °C |
| 4 am | -10 °C |
| 8 am | -4 °C |
| noon | 7 °C |
| 3 pm | 6 °C |
| 7 pm | -2 °C |

Write down

(i) the **highest** temperature,

..... 7 °C

(ii) the **lowest** temperature.

..... -10 °C

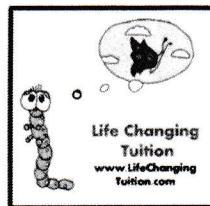
Work out the difference in the temperature between

(i) 4 am and 8 am,

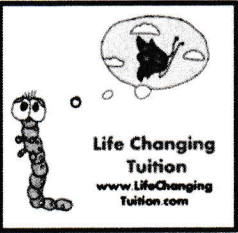
..... 6 °C

At 11 pm that day the temperature had fallen by 5 °C from its value at 7 pm.

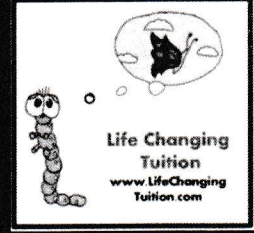
Work out the temperature at 11 pm.



..... -7 °C



Negative Numbers (4)



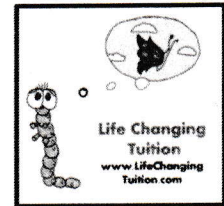
Determine which choice best answers the question.

1) Which choice shows the values from greatest to least?

- A. 5, 3, -4, 2
- B. -4, 2, 3, 5
- C. 5, 3, 2, -4**
- D. 3, 2, 5, -4

2) Which choice shows the values from least to greatest?

- A. 9, 6, -5, 4
- B. 6, 4, 9, -5
- C. 9, -5, 6, 4
- D. -5, 4, 6, 9**



Use $>$, $<$ or $=$ to compare.

1) $-39 < -38$

6) $-41 > -67$

11) $-48 > -49$

2) $-64 < 56$

7) $-49 < 44$

12) $-89 < -70$

3) $-94 > -95$

8) $-44 < -43$

13) $-75 < -73$

4) $-98 > -99$

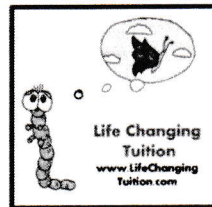
9) $-74 < 64$

14) $-46 > -62$

5) $-35 > -36$

10) $-76 < -75$

15) $-57 < -56$



Calculate:

$-4 + 3 = \underline{-1}$

$-12 - 15 = \underline{-27}$

$-2 + 9 = \underline{7}$

$-12 - 3 = \underline{-15}$

$-6 + 2 = \underline{-4}$

$-11 - 16 = \underline{-27}$

$-20 + 12 = \underline{-8}$

$10 - 2 = \underline{8}$

$-8 + 11 = \underline{3}$

$8 - 6 = \underline{2}$

$-2 + 1 = \underline{-1}$

$2 - 18 = \underline{-16}$

