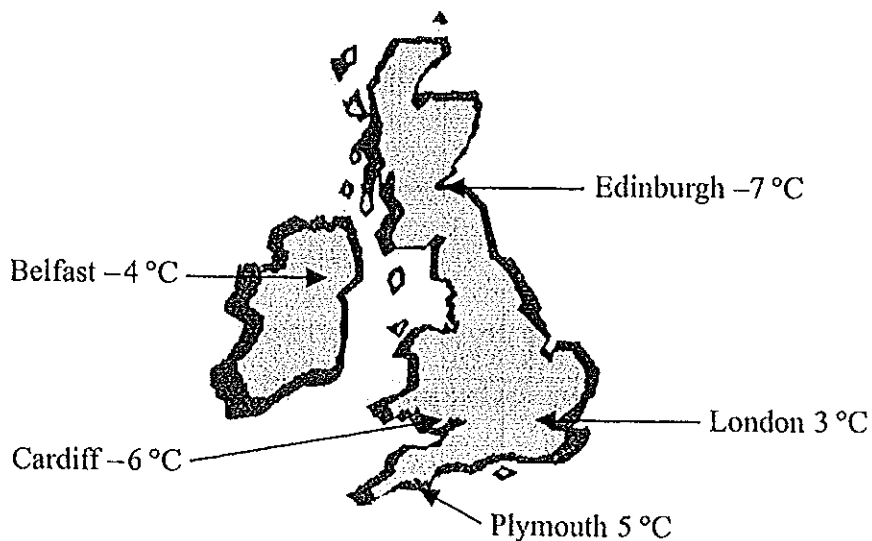


1. Here is a map of the British Isles.

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.

Edinburgh and Plymouth

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

12 °C

(3)

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

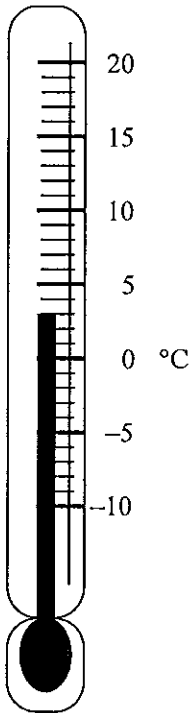
(i) Belfast and Cardiff

(ii) London and Plymouth

(2)

(Total 5 marks)

2.



(a) Write down the temperature shown on the thermometer.

.....3..... °C

(1)

The temperature falls by 8°C.

3 - 8

(b) Work out the new temperature.

.....-5..... °C

(1)

(Total 2 marks)



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

Time	Temperature
midnight	$-6^{\circ}\text{C}$
4 am	$-10^{\circ}\text{C}$
8 am	$-4^{\circ}\text{C}$
noon	$7^{\circ}\text{C}$
3 pm	$6^{\circ}\text{C}$
7 pm	$-2^{\circ}\text{C}$

(a) Write down

(i) the **highest** temperature,

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

(ii) the **lowest** temperature.

(2)

(b) Work out the difference in the temperature between

(i) 4 am and 8 am,

$-10$  and  $-4$

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

(ii) 3 pm and 7 pm.

6 and  $-2$

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

(2)

At 11 pm that day the temperature had fallen by  $5^{\circ}\text{C}$  from its value at 7 pm.

(c) Work out the temperature at 11 pm.

$-2 - 5$

.....-7..... $^{\circ}\text{C}$

(1)

(Total 5 marks)



4. The table shows the temperature on the surface of each of five planets.

Planet	Temperature
Venus	480 °C
Mars	- 60 °C
Jupiter	- 150 °C
Saturn	- 180 °C
Uranus	- 210 °C

(a) Work out the difference in temperature between Mars and Jupiter.

.....90.....°C

(1)

(b) Work out the difference in temperature between Venus and Mars.

.....540.....°C

(1)

(c) Which planet has a temperature 30 °C higher than the temperature on Saturn?

Jupiter.....

(1)

The temperature on Pluto is 20 °C lower than the temperature on Uranus.

(d) Work out the temperature on Pluto.

.....-230.....°C

(1)

(Total 4 marks)



5. The table shows temperatures at midnight and midday on one day in five cities.

City	Midnight temperature	Midday temperature
Belfast	-3 °C	4 °C
Cambridge	-1 °C	4 °C
Edinburgh	-7 °C	-1 °C
Leeds	-6 °C	3 °C
London	-2 °C	6 °C

(a) Which city had the lowest midnight temperature?

Edinburgh

(1)

(b) How many degrees higher was the midnight temperature in Cambridge than the midnight temperature in Leeds?

5 °C

(1)

(c) Which city had the greatest rise in temperature from midnight to midday?

Leeds

(1)

(Total 3 marks)



6. The table shows the temperatures in four cities at noon one day.

Oslo	-13°C
New York	-5°C
Cape Town	9°C
London	2°C

(a) Write down the **highest** temperature.

.....9..... °C

(1)

(b) Work out the difference in temperature between Oslo and New York.

.....8..... °C

(1)

At 8 pm the temperature in London was 3°C lower than the temperature at noon.

(c) Work out the temperature in London at 8 pm.

.....-1..... °C

(1)

(Total 3 marks)

7. The table shows the midday temperatures in 4 different cities on Monday.

City	Midday temperature (°C)
Belfast	5
Cardiff	-1
Glasgow	-6
London	-4

(a) Which city had the lowest temperature?

.....Glasgow.....

(1)

(b) Work out the difference between the temperature in Cardiff and the temperature in Belfast.

.....6..... °C

(1)



By Tuesday, the midday temperature in London had risen by 7 °C.

(c) Work out the midday temperature in London on Tuesday.

.....3..... °C

(1)

(Total 3 marks)

8. The table shows the temperature in each of 6 cities on 1st January 2003.

City	Temperature
Cairo	15 °C
Copenhagen	-1 °C
Helsinki	-9 °C
Manchester	3 °C
Moscow	-14 °C
Sydney	20 °C

(a) Write down the name of the city which had the lowest temperature.

.....Moscow.....

(1)

(b) Work out the difference in temperature between Copenhagen and Cairo.

.....16.....°C

(1)

On 2nd January 2003, the temperature in Moscow had increased by 4 °C.

(c) Work out the new temperature in Moscow.

.....-10.....°C

(1)

(Total 3 marks)