Past Paper Questions

Q1.

Write these numbers in order of size.
Start with the smallest number.

4 −4 1 0 −2

.....

(Total for question = 1 mark)

Q2.

Write the following numbers in order of size.
Start with the smallest number.

8 –7 –10 1 0 –2

.....

(Total for question = 1 mark)

Q3.

(a) Work out +8 − 6

.....

(1)

(b) Work out −5 − 4

.....

(1)

(c) Work out −12 ÷ +4

.....

(1)

(Total for Question is 3 marks)

Q4.

Write these temperatures in order.
Start with the lowest temperature.

7°C –2°C 10°C –5°C 3°C

.....

(Total for question = 1 mark)

Q5.

Here are four numbers.

–9 –2 2 9

Write one of these numbers in each box to make a correct calculation.

$\square + \square = -7$

(Total for question = 1 mark)

Q6.

At 5am the temperature was –5°C.
By midday, the temperature had risen by 7°C.

(a) Work out the temperature at midday.

..... °C

(1)

At 5pm the temperature was 9°C.

(b) Work out the difference between the temperature at 5am and the temperature at 5pm.

..... °C

(1)

(Total for question = 2 marks)

Q7.

At 7 am the temperature was −4 °C
By 3 pm the temperature had gone up by 10 °C.

(a) Write down the temperature at 3 pm.

.....°C

(1)

At 9 pm the temperature was −2°C.
By midnight the temperature had gone down by 7 °C.

(b) Write down the temperature at midnight.

.....°C

(1)

(Total for question = 2 marks)

Q8.

Samina recorded the maximum temperature and the minimum temperature on each of six days in January.

The table shows her results.

	Mon	**Tues**	**Wed**	**Thurs**	**Fri**	**Sat**
Maximum temperature	1 °C	3 °C	2 °C	0 °C	3 °C	4 °C
Minimum temperature	– 4 °C	–2 °C	– 4 °C	–5 °C	–3 °C	–2 °C

(a) Write down the lowest temperature.

. . . . . °C

(1)

(b) Work out the difference between the maximum temperature on Wednesday and the minimum temperature on Wednesday.

. . . . . °C

(1)

The minimum temperature on Sunday was 5 °C higher than the minimum temperature on Saturday.

(c) Work out the minimum temperature on Sunday.

. . . . . °C

(1)

(Total for Question is 3 marks)

Q9.

(a) Work out +3 – 5

.....

(1)

(b) Work out –12 – 6

.....

(1)

(Total for Question is 2 marks)

Q10.

The table shows some temperatures at midnight in Canada.

Town	Temperature at midnight
Banff	2°C
Norquay	–4°C
Revelstoke	–6°C
Calgary	5°C

(a) What is the difference in temperatures
(i) between Norquay and Revelstoke,

. . . . . °C

(ii) between Calgary and Revelstoke?

. . . . . °C

(2)

In Revelstoke, the temperature drops by 11°C from midnight to 6am.

(b) What is the temperature in Revelstoke at 6am?

. . . . . °C

(1)

(Total for Question is 3 marks)

Q11.

The table shows the highest temperature and the lowest temperature in London and in Oslo on the same day.

	Highest	Lowest
London	8°C	-7°C
Oslo	-4°C	-9°C

(a) Work out the difference between the **lowest** temperature in London and the **lowest** temperature in Oslo.

. . . . . °C

(1)

(b) Work out the difference between the **highest** temperature in London and the **lowest** temperature in London.

. . . . . °C

(1)

(Total for Question is 2 marks)

Q12.
One evening the temperature was −7°C.
By midnight the temperature had dropped by 5°C.

What was the temperature at midnight?

..... °C

(Total for question = 1 mark)

Q13.
Rachel records the temperature in her garden at noon each day.

On Monday, the temperature was 5°C.
On Tuesday, the temperature was 10° less than the temperature on Monday.
On Wednesday, the temperature was 3° greater than the temperature on Tuesday.

Find the difference between the temperature on Monday and the temperature on Wednesday.
You must show all your working.

..... °C

(Total for question = 2 marks)

Q14.

Find the number that is exactly half way between –4 and 10

.....

(Total for question = 2 marks)