

8300

GCSE MATHEMATICS

Foundation tier – Questions by Topic

Number

Ordering negative numbers

v1.0

Name _____

Materials

For this paper you must have:

- Mathematical instruments

Information

- The marks for questions are shown in brackets

Advice

- In all calculations, show clearly how you work out your answer

For questions 1 to 5 you must **NOT** use a calculator.



Q1.

The temperature was recorded at the same time each day.

Day	Mon	Tue	Wed	Thu	Fri	Sat
Temperature (°C)	2	0	1	-3	-1	-2

(a) Which temperature was the coldest?

(1)

(b) How much colder was it on Thursday than on Wednesday?

(1)

(c) On Sunday, the temperature was 3°C lower than on Saturday.
What was the temperature on Sunday?

(1)

(Total 3 marks)

For the rest of the questions, you may use a calculator



Q2.

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

2 1.8 -1 0

Answer _____ , _____ , _____ , _____

(Total 2 marks)

Q3.

Here are four temperatures in degrees C

-5	3	-7	-1
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Write the temperatures in order, starting with the **coldest**.

(Total 2 marks)

Q4.

Here is a number line.



What number is at Y?

(Total 1 mark)

Q5.

Circle the lowest of these temperatures.

-4.9°C

0°C

-7°C

0.1°C

(Total 1 mark)

Q6.

Circle the lowest of these temperatures.

-2.1°C

0.4°C

-5°C

1°C

(Total 1 mark)

Q7.

Circle the number **greater** than -0.9

-0.901

-0.89

-0.91

$-\frac{9}{10}$

(Total 1 mark)

Q8.

Here are the temperatures in four places at 7:00 am one morning.

Aberdeen	-15.8°C
London	-4.9°C
Sheffield	-7.6°C
Warwick	-5.3°C

(a) Which place was the warmest?

(1)

(b) What was the difference in temperature between Aberdeen and Warwick?

(1)

(c) At 4:00 pm the temperature in Sheffield was 1.7°C higher than at 7:00 am.
What was the temperature in Sheffield at 4:00 pm?

(1)

(Total 3 marks)

Q9.

Which statement is true?

Circle your answer.

-6 is greater than -2

-2 is greater than -6

-6 is greater than 2

-2 is greater than 6

(Total 1 mark)

Q10.

Circle the correct statement.

$-4 < -3$

$1 \leq -2$

$-6 > 5$

$-1 \geq 0$

(Total 1 mark)