GCSE FOUNDATION · REVISION MAT 4

Ordering numbers

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

10, –4, –6, 7, –13, 0

2 Write these decimals in order of size.
Start with the smallest.

7.1, 7.01, 7.11, 7.101, 7.011

3 Write < or > between each pair of numbers.

–1 ☐ –7
0.33 ☐ 0.3
–6 ☐ 4

Explain how you decided for –6 and 4

4 Mia says,

"0.125 is bigger than 0.13,
because 125 is bigger than 13."

Is Mia right? Explain your answer.

5 The table shows the temperatures in five cities at midnight.

York	Athens	Oslo	Bern	Prague
–3°C	11°C	–12°C	0°C	–6°C

(a) Which city was the coldest?

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

(c) By morning, the temperature in Prague rose by 8°C. Work out the new temperature.

6 Here are four digit cards. **6** **0** **3** **8**

Each card is used once to make a 4-digit number.

(a) Find the largest number you can make that is less than 7000.

(b) Find the smallest odd number you can make.

Mr&Mrs MATHS

1 **−13, −6, −4, 0, 7, 10**

2 **7.01, 7.011, 7.1, 7.101, 7.11**

3 −1 **>** −7

0.33 **>** 0.3

−6 **<** 4

−6 is further below zero on the number line.

ANSWERS · REVISION MAT 4

Ordering numbers

4 Compare place value: write both with the same number of decimal places.

0.13 is bigger, so Mia is **wrong**.

5 (a) **Oslo**

(b) 11 − (−12) = **23°C**

(c) −6 + 8 = **2°C**

6 (a) **6830**

(b) **6083**