GCSE FOUNDATION · REVISION MAT 5

Ordering numbers

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

−5, 9, −2, −14, 3, 1

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

0.9, 0.09, 0.99, 0.909, 0.099

3 Write < or > between each pair of numbers.

−9 ☐ −6
2.5 ☐ 2.05
−0.3 ☐ −0.03

Explain how you decided for −0.3 and −0.03

4 Kai says,

"5.19 is bigger than 5.4,
because 19 is bigger than 4."

Is Kai right? Explain your answer.

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

Glasgow	Cairo	Toronto	Amsterdam	Kyiv
−4°C	18°C	−15°C	2°C	−10°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 Kyiv rose by 11°C. Work out the new temperature.

6 Here are four digit cards. **2** **7** **0** **5**

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

(a) Find the largest number you can make that is less than 3000.

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

ANSWERS · REVISION MAT 5

Ordering numbers

1 **−14, −5, −2, 1, 3, 9**

2 **0.09, 0.099, 0.9, 0.909, 0.99**

3 −9 **<** −6

2.5 **>** 2.05

−0.3 **<** −0.03

−0.3 is further below zero on the number line.

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

5.4 is bigger, so Kai is **wrong**.

5 (a) **Toronto**

(b) 18 − (−15) = **33°C**

(c) −10 + 11 = **1°C**

6 (a) **2750**

(b) **2057**

Mr&Mrs MATHS