GCSE FOUNDATION · REVISION MAT 3

# Ordering numbers

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

−3, −8, 6, 0, −11, 1

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

0.45, 0.4, 0.405, 0.54, 0.045

**3** Write < or > between each pair of numbers.

−12 ☐ −2
1.09 ☐ 1.9
−1.5 ☐ −1.05

Explain how you decided for −1.5 and −1.05

**4** Finn says,

"2.18 is bigger than 2.2,
because 18 is bigger than 2."

Is Finn right? Explain your answer.

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

| Cardiff | Warsaw | Lisbon | Reykjavik | Vienna |
|---|---|---|---|---|
| 2°C | −5°C | 14°C | −9°C | −1°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 Warsaw rose by 6°C. Work out the new temperature.

**6** Here are four digit cards. 4 9 1 0

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

(a) Find the largest number you can make that is less than 4000.

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

Mr&Mrs MATHS

**1** **−11, −8, −3, 0, 1, 6**

**2** **0.045, 0.4, 0.405, 0.45, 0.54**

**3** $-12 < -2$

$1.09 < 1.9$

$-1.5 < -1.05$

−1.5 is further below zero on the number line.

ANSWERS · REVISION MAT 3

# Ordering numbers

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

**2.2** is bigger, so Finn is **wrong**.

**5** (a) **Reykjavik**

(b) 14 − (−9) = **23°C**

(c) −5 + 6 = **1°C**

**6** (a) **1940**

(b) **1049**

Mr&Mrs MATHS