



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

-4 3 -7 0 5

(1 mark)

Negative numbers are smaller than 0, and -7 is further below zero than -4

Order: -7, -4, 0, 3, 5

-7, -4, 0, 3, 5

- 2 Here are the midnight temperatures, in °C, in five towns.

-2 4 -6 1 -1

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

(1 mark)

The coldest temperature is the lowest number: -6

Then -2, then -1, then the positive temperatures 1 and 4

Order: -6, -2, -1, 1, 4

-6, -2, -1, 1, 4

- 3 A number line has -10 at the left end and 10 at the right end. There is a mark every 2 units. An arrow points to the fourth mark to the left of 0.

What number does the arrow point to?

(1 mark)

Marks left of 0: -2, -4, -6, -8

-8

- 4 Write these numbers in order, smallest first.

5 -3 0 -8 2

(1 mark)

Negatives first - biggest minus is smallest

$-8 < -3 < 0 < 2 < 5$

-8, -3, 0, 2, 5

5 Write down a number that is less than -5

(1 mark)

A number less than -5 is further below zero than -5

For example -6 , -10 or -5.5

Any number less than -5 , for example -6

6 Write these numbers in order, smallest first.

-12 7 -20 3 -1

(2 marks)

Negatives: -20 is smallest, then -12 , then -1

Then the positives

$-20, -12, -1, 3, 7$

7 Write $<$ or $>$ in each box.

a. -4 $\square$ -9

b. -2 $\square$ 1

c. -15 $\square$ -5

(3 marks)

a)

-4 is to the right of -9

$-4 > -9$

b)

-2 is left of 1

$-2 < 1$

c)

-15 is left of -5

$-15 < -5$

- 8 The temperatures in five cities one winter morning are shown.

City	Temperature (°C)
Oslo	-6
Madrid	11
Moscow	-14
Cardiff	4
Reykjavik	-9

Write the cities in order, coldest first.

(2 marks)

Coldest = smallest number

-14, -9, -6, 4, 11

Moscow, Reykjavik, Oslo, Cardiff, Madrid

- 9 Here are five numbers.

3407 3047 3470 3074 3740

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

(2 marks)

All five numbers have 3 thousands, so compare the hundreds:

3047 and 3074 have 0 hundreds

3047 has 4 tens and 3074 has 7 tens, so 3047 is smaller

Then 3407 and 3470 (4 hundreds), then 3740 (7 hundreds)

Order: 3047, 3074, 3407, 3470, 3740

3047, 3074, 3407, 3470, 3740

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

-1.5 0.3 -0.35 -3 1

(1 mark)

The most negative number is the smallest: -3

-1.5 is below -0.35 because it is further from zero

Order: -3, -1.5, -0.35, 0.3, 1

-3, -1.5, -0.35, 0.3, 1

11 Find the number that is exactly halfway between -8 and 2

(1 mark)

Add the two numbers

$$-8 + 2 = -6$$

Halve the total

$$-6 \div 2 = -3$$

Check: -3 is 5 above -8 and 5 below 2

-3