

Unit 5

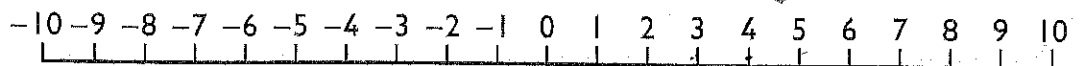
Positive and Negative Numbers

Sometimes when we count back we have to go less than 0.

We call these **negative numbers**. We put a $-$ (minus) sign in front of the number and call it **minus 1** or **minus 2**. Numbers bigger than 0 are **positive numbers**.

We use negative numbers when we measure very cold temperatures.

Use the number line below to count on or back.



- | | | |
|---------------------|-----------------------|-----------------------|
| 1 2, count on 5 | 6 -2 , count on 3 | 11 -3 , count on 10 |
| 2 8, count back 6 | 7 3, count back 6 | 12 -6 , count on 12 |
| 3 0, count back 3 | 8 -8 , count on 5 | 13 -9 , count on 15 |
| 4 -2 , count on 5 | 9 -2 , count back 6 | 14 7, count back 16 |
| 5 -5 , count on 5 | 10 4, count back 6 | 15 6, count back 9 |

Write down these sets of numbers in order of size, starting with the lowest.

Tip Remember that negative numbers are less than positive numbers.

Example 4, -6 , 7, 0, -4 **$-6, -4, 0, 4, 7$** $-3, 0, 6, 2, -5$ **$-5, -3, 0, 2, 6$**

- | | | |
|----------------------|-------------------------|---------------------------------|
| 16 5, $-3, 0, -2, 1$ | 21 $-10, 10, 5, -5, 0$ | 26 0, 6, $-4, 1, -3$ |
| 17 $-1, -5, 4, 0, 3$ | 22 4, 3, 8, $-2, 5$ | 27 $-4, -6, -2, 5, -8, 1$ |
| 18 $-3, -5, 3, 5, 0$ | 23 6, $-5, 3, 0, 2$ | 28 3, $-3, 4, -4, 5, -5, 6, -6$ |
| 19 6, $-4, 3, -8, 8$ | 24 $-3, -7, -2, -4, -1$ | 29 0, 3, $-6, 6, -7, -10, 4, 8$ |
| 20 5, $-5, 2, 6, 10$ | 25 10, $-5, 3, -6, 2$ | 30 $-4, -2, 4, 12, -8, -3, -1$ |

Challenge

History books often use a **time line**. Find different examples of time lines – in most books, you will find that before the year 1 CE or AD, we count time, backwards, a bit like with negative numbers. Why isn't there a year 0? How do other countries show time lines? Do they all count forwards, or backwards, or both?