



## Crosby Primary School

### National Curriculum

- Interpret negative numbers in context, count forwards and backwards with positive and negative whole numbers, including through 0.

### Times Tables

- Consolidate and practice all multiplication and division facts to 12x12 – any order, missing numbers, fractions.
- Use multiplication and division facts to derive associated facts.
- Develop multiplicative reasoning - links between multiplication, division and fractions

### Ready to Progress

- 5NF–1 Secure fluency in multiplication table facts, and corresponding division facts, through continued practice.

### Planning Links

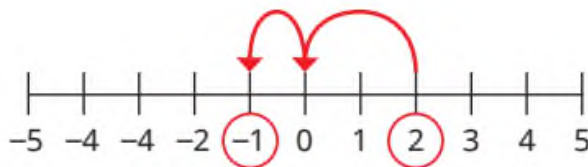
White Rose Scheme of Work:

<https://assets.whiterosemaths.com/new-schemes/Year%205%20Summer%20Block%204%20SOL%20Negative%20numbers.pdf>

NCETM:

<https://www.ncetm.org.uk/classroom-resources/primm-1-27-negative-numbers-counting-comparing-and-calculating/>

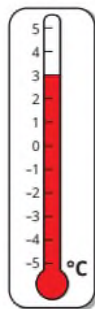
Power Maths, White Rose, Maths No Problem, Aspire Maths



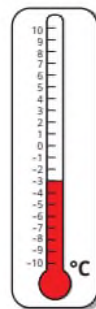
## Mathematics Medium Term Plan Year 5 Summer Term

### Concept Sequence

- Understand negative numbers - explore negative numbers and their position on a number line. Use vertical representation to avoid misconceptions. See and use negative numbers in context, such as temperature, to be able to count back through zero. Misconception – negative 4, not minus 4, which is an operation.
- Count through zero in 1s - count forwards and backwards with positive and negative whole numbers. Complete sequences and work out missing numbers in sequences. Use vertical representations and horizontal number lines.
- Count through zero in multiples – use vertical and horizontal number lines.
- Order and compare negative numbers – use number lines/open number lines. Use comparison symbols and order temperatures using comparison language (hotter, colder...).
- Find the difference – look at placing of zero on number line to aid. Solve problems in context.
- Add and Subtract negative numbers – use number lines/open number lines. Provide context for problems – temperature scales.



Paris



Oslo

## Unit 3 Negative Numbers (1 Week)

### Vocabulary

Number, integer, numeral,  
none, Zero, One, two, three....one million  
Count, count to/up to, count on, count on from,  
count on to, count back, count back from, count back to  
Forwards/Backwards  
Count in multiples of....  
Equal to, Equivalent to, Is the same as  
Sequence, continue  
The same number as, as many as  
More, larger, bigger, greater  
Greater than/less than  
Fewer, smaller, less, fewest, smallest, least  
Most, biggest, largest, greatest  
Hotter/hottest, colder/coldest  
Compare, size, order  
next, between, half-way between  
temperature, degrees Celsius  
thermometer, number line

### Resources

Number Lines, Counting stick, thermometer scales.  
Gordons Maths Games, Mathletics, TTRockstars  
BBC Super Movers  
<https://www.bbc.co.uk/teach/supermovers/ks2-collection/zr4ky9q>

