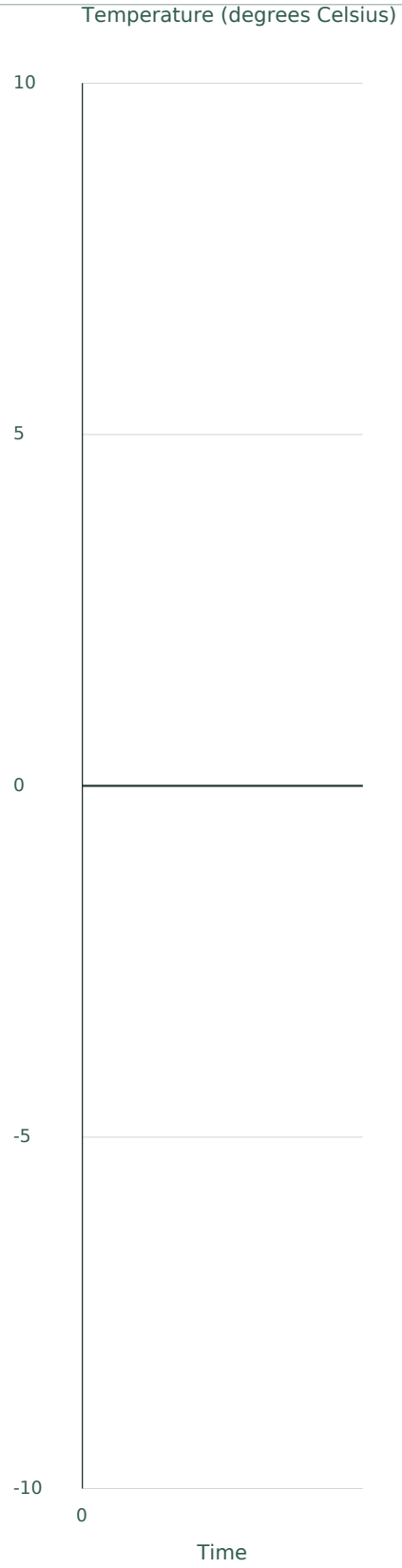
Plot and Read Line Graphs with Negative Values

Blank Grid for Plotting Practice



Student plotting space.

Plot and Read Line Graphs with Negative Values

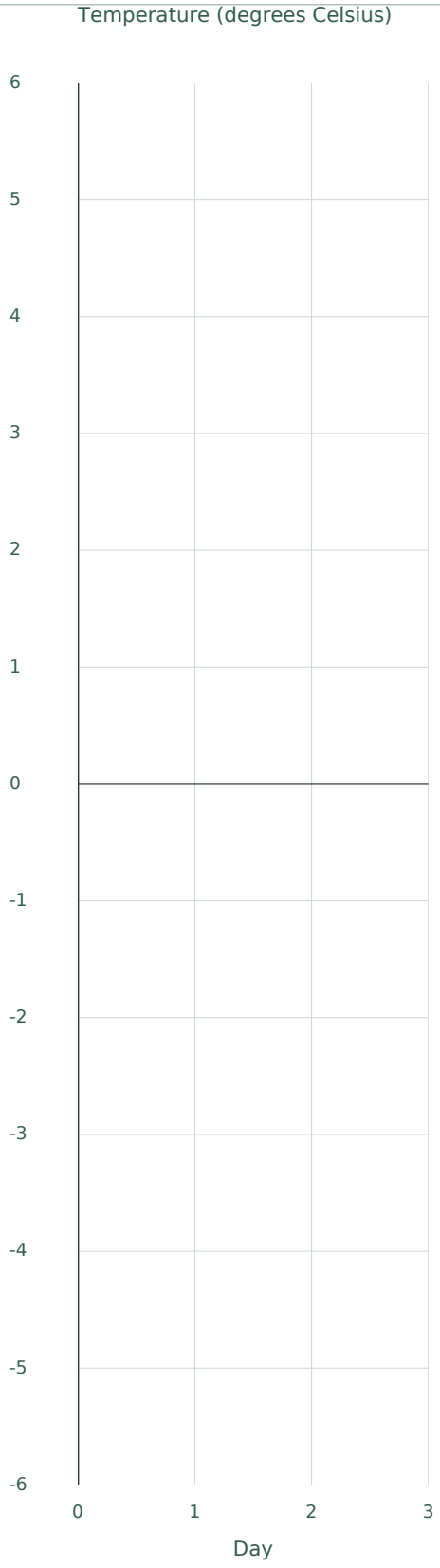
Data Table: Negative Temperatures

Data table for plotting; vertical axis -6 to 6 step 1.

Day	Temperature (degrees Celsius)
Monday	-4
Tuesday	0
Wednesday	5
Thursday	-1

Plot and Read Line Graphs with Negative Values

Plotting Grid: Monday to Thursday



Student plotting space.

Plot and Read Line Graphs with Negative Values

Reading Questions

Four reading questions with response space.

Plot and Read Line Graphs with Negative Values

Original tasks 1, 2, 3 / blank responses

Task 1

Plot these values on a line graph with a vertical axis from -6 to 6 in steps of 1: Monday = -4, Tuesday = 0, Wednesday = 5, Thursday = -1. Then read the value for Thursday.

Task 2

A graph shows points at (1, -3), (2, 2), (3, -5), and (4, 0). Describe where each point lies relative to zero and state which point is lowest.

Task 3

Using a vertical axis from -10 to 10 in steps of 5, plot: 6:00 = -8, 9:00 = -3, 12:00 = 7, 15:00 = 2. Read the value at 9:00 and state whether the line rises or falls from 6:00 to 9:00.

Plot and Read Line Graphs with Negative Values

Original tasks 4 / blank responses

Task 4

A line graph has points at (A, -2), (B, 4), (C, -6), and (D, 1). Without drawing, list the points in order from lowest to highest value, and explain how the graph would cross zero between B and C.