

Trend Task: Thermometer

Approach: Independent

Year: 4 & 8

Focus: Reading thermometers and comparing temperatures

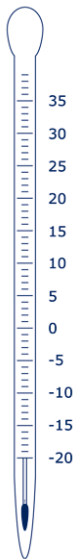
Resources: Answer booklet



Questions / instructions:

Here are the temperatures on the 1st July in six different places.

Los Angeles	+32°
Hamilton	+10°
Waiouru	-15°
London	+20°
Toronto	+25°



		% response 2005 ('01)	
		year 4	year 8
1.	Put a tick beside the lowest temperature.	✓ Waiouru -15 ✗ Hamilton +10	44 (36) 85 (80) [37 (39) 5 (9)]
2.	Mark the temperature for Waiouru on the picture of the thermometer.	Accurate marking for Waiouru: -15	53 (46) 88 (88)
3.	Write the temperatures in order from highest to lowest.	Correct order from highest to lowest: +32, +25, +20, +10, -15	36 (29) 77 (72)
		Correct order from lowest to highest: -15, +10, +20, +25, +32	5 (4) 7 (10)
		Incorrect order misplacing the negative temperature: +32, +25, +20, -15, +10 (or other order)	23 (34) 2 (4)
	Total score:	4 3 2 1 0	25 (20) 68 (59) 10 (9) 13 (20) 12 (9) 7 (9) 19 (19) 5 (6) 34 (44) 6 (6)

Commentary:

Large gains were seen from year 4 to year 8 in this task. There were also substantial gains from 2001 to 2005, particularly for year 4 students.