

# Varied Fluency

## Step 7: Temperature

### National Curriculum Objectives:

Mathematics Year 1: (2M2) Choose and use appropriate standard units to estimate and measure length/height in any direction (m/cm); mass (kg/g); temperature ( $^{\circ}$  C); capacity (litres/ml) to the nearest appropriate unit, using rulers, scales, thermometers and measuring vessels

### Differentiation:

**Developing** All increments marked. Counting forwards only in 2s or 10s to 50. All temperatures fall directly on the marked increments (i.e. multiples of 2s, or 10s)

**Expected** Counting forwards and backwards in increments of 2s, 5s or 10s to 100. Temperatures fall either on a marked or unmarked increment.

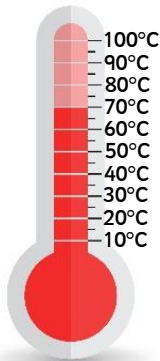
**Greater Depth** Not all increments marked. Counting forwards and backwards in increments of 2, 3, 5, or 10. Temperatures fall between increments.

More [Year 2 Mass Capacity and Temperature](#) resources.

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# Varied Fluency – Temperature

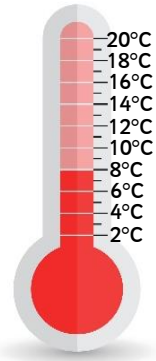
1a. Complete the sentence.



The temperature is \_\_\_\_\_.

VF

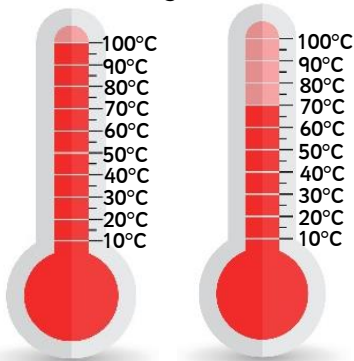
1b. Complete the sentence.



The temperature is \_\_\_\_\_.

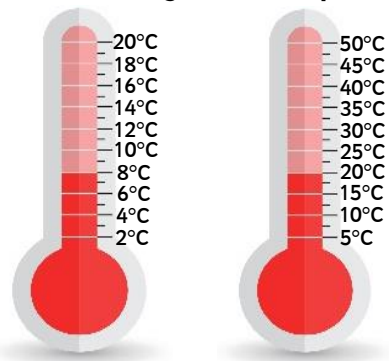
VF

2a. Which is the highest temperature?



VF

2b. Which is the highest temperature?



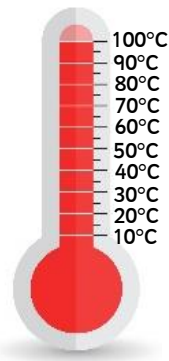
VF

3a. The temperature is 8°C.  
True or false?



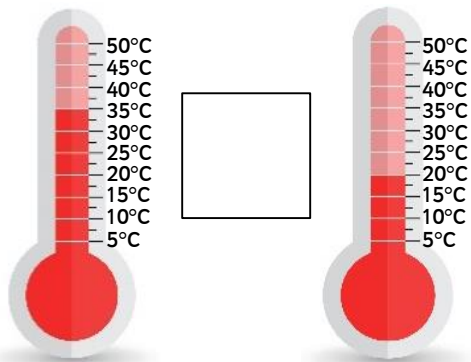
VF

3b. The temperature is 100°C.  
True or false?



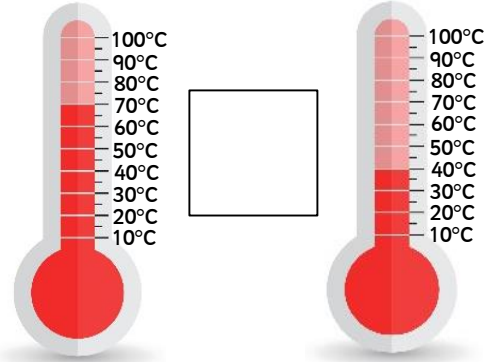
VF

4a. Compare the temperatures using < or >.



VF

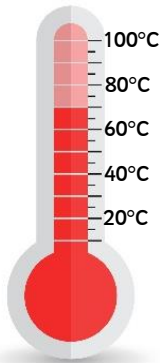
4b. Compare the temperatures using < or >.



VF

# Varied Fluency – Temperature

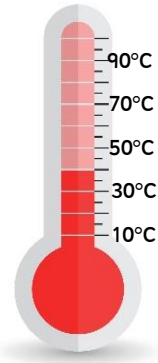
5a. Complete the sentence.



The temperature is \_\_\_\_\_.

VF

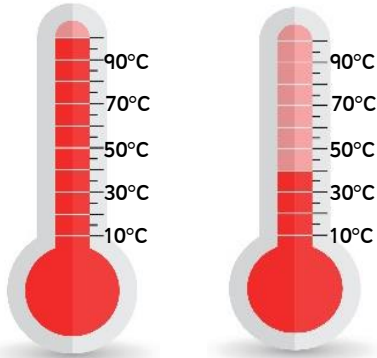
5b. Complete the sentence.



The temperature is \_\_\_\_\_.

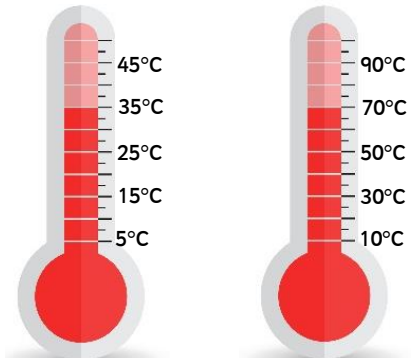
VF

6a. Which is the highest temperature?



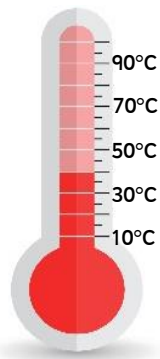
VF

6b. Which is the highest temperature?



VF

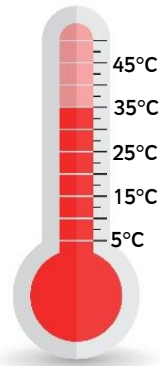
7a. The temperature is 35°C.  
True or false?



45°

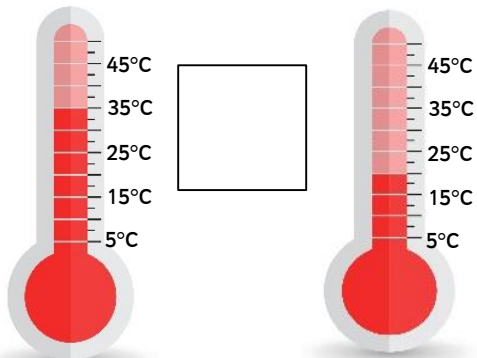
VF

7b. The temperature is 35°C.  
True or false?



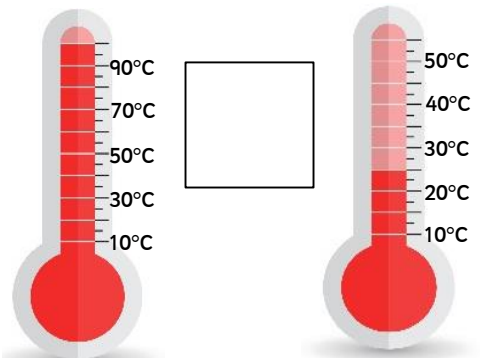
VF

8a. Compare the temperatures using < or >.



VF

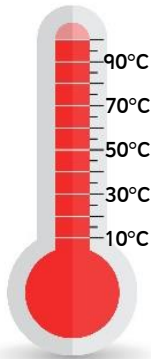
8b. Compare the temperatures using < or >.



VF

# Varied Fluency – Temperature

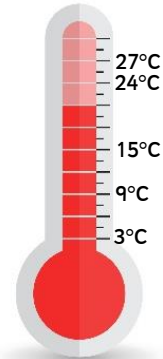
9a. Complete the sentence.



The temperature is \_\_\_\_\_.

VF

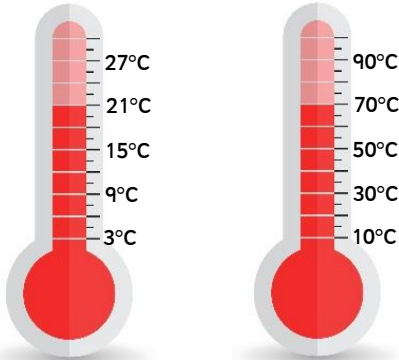
9b. Complete the sentence.



The temperature is \_\_\_\_\_.

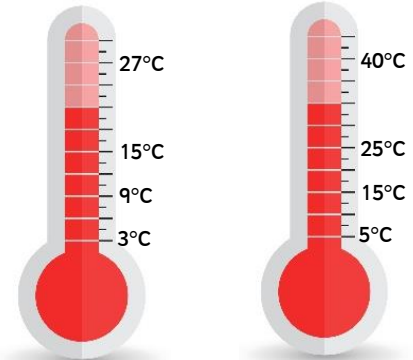
VF

10a. Which is the highest temperature?



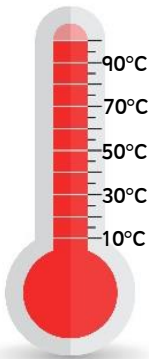
VF

10b. Which is the lowest temperature?



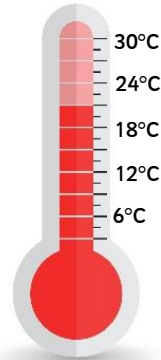
VF

11a. The temperature is 100°C.  
True or false?



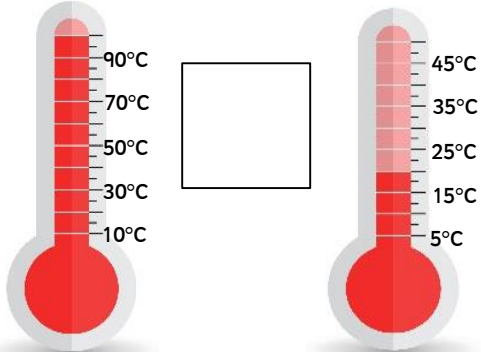
VF

11b. The temperature is 20°C.  
True or false?



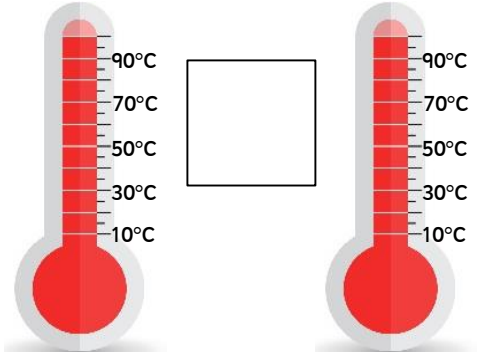
VF

12a. Compare the temperatures using  
<, > or =.



VF

12b. Compare the temperatures using  
<, > or =.



VF

# Varied Fluency – Temperature

## Developing

- 1a.  $70^{\circ}\text{C}$
- 1b.  $8^{\circ}\text{C}$
- 2a.  $100^{\circ}\text{C}$
- 2b.  $20^{\circ}\text{C}$
- 3a. True
- 3b. True
- 4a.  $35^{\circ}\text{C} > 20^{\circ}\text{C}$
- 4b.  $70^{\circ}\text{C} > 40^{\circ}\text{C}$

## Expected

- 5a.  $70^{\circ}\text{C}$
- 5b.  $40^{\circ}\text{C}$
- 6a.  $100^{\circ}\text{C}$
- 6b.  $70^{\circ}\text{C}$
- 7a. False, the temperature shows  $40^{\circ}\text{C}$ .
- 7b. True
- 8a.  $35^{\circ}\text{C} > 20^{\circ}\text{C}$
- 8b.  $100^{\circ}\text{C} > 25^{\circ}\text{C}$

## Greater Depth

- 9a.  $90^{\circ}\text{C}$
- 9b.  $21^{\circ}\text{C}$
- 10a.  $70^{\circ}\text{C}$
- 10b.  $21^{\circ}\text{C}$
- 11a. True
- 11b. False, the temperature shows  $21^{\circ}$
- 12a.  $100^{\circ}\text{C} > 20^{\circ}\text{C}$
- 12b.  $100^{\circ}\text{C} = 100^{\circ}\text{C}$