

Varied Fluency

Step 13: Negative Numbers

National Curriculum Objectives:

Mathematics Year 4: (4N5) [Count backwards through zero to include negative numbers](#)

Mathematics Year 4: (4N6) [Solve number and practical problems that involve 4N1 - 4N5 and with increasingly large positive numbers](#)

Differentiation:

Developing Questions to support understanding positive and negative numbers to -10. Including number lines and thermometers with single increments and some varied scales, all values marked.

Expected Questions to support understanding positive and negative numbers to -25. Including number lines and thermometers with varied increments and some missing values.

Greater Depth Questions to support understanding positive and negative numbers to -25. Including number lines and thermometers with varied increments and some values given, where some numbers fall between increments.

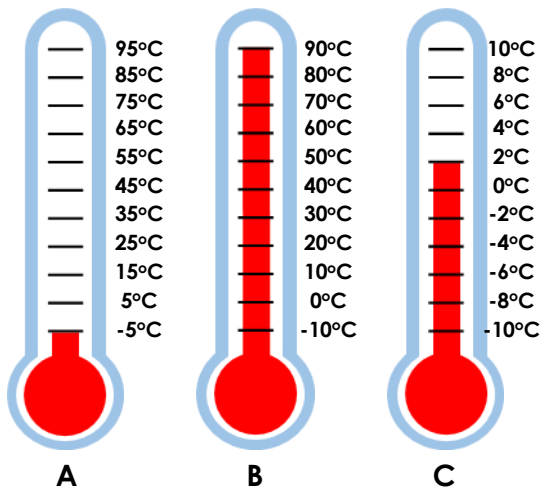
More [Year 4 Place Value](#) resources

Did you like this resource? Don't forget to [review](#) it on our website.

Negative Numbers

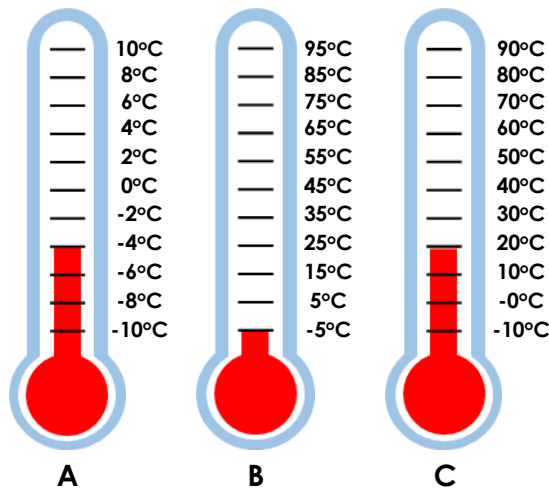
Negative Numbers

1a. Put the temperatures in order from warmest to coolest.



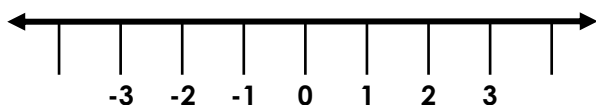
VF

1b. Put the temperatures in order from coolest to warmest.



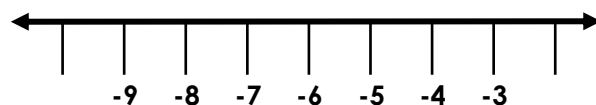
VF

2a. Label -4 on the number line.



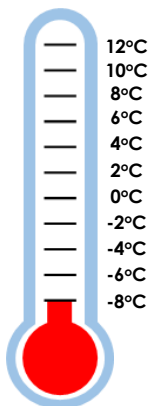
VF

2b. Label -2 on the number line.



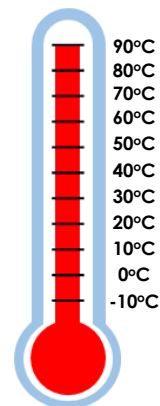
VF

3a. What is the temperature on the thermometer?



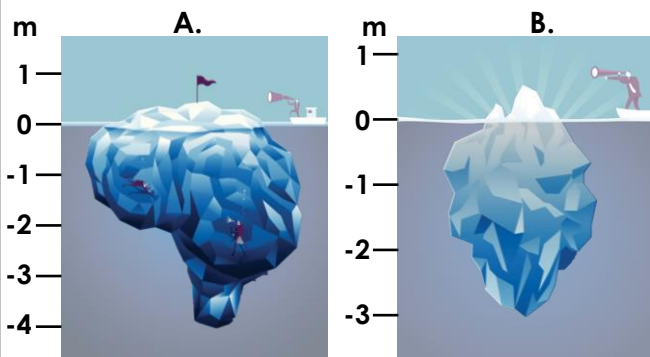
VF

3b. What is the temperature on the thermometer?



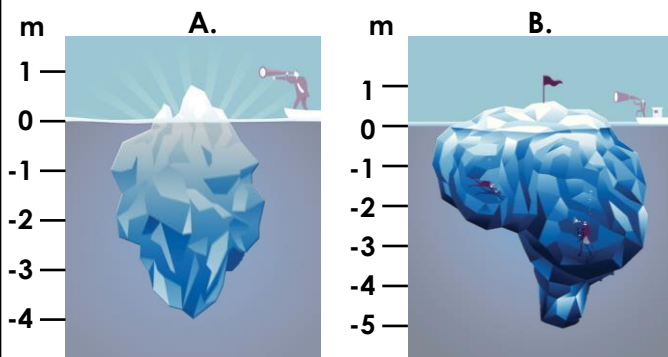
VF

4a. Which iceberg is deeper?



VF

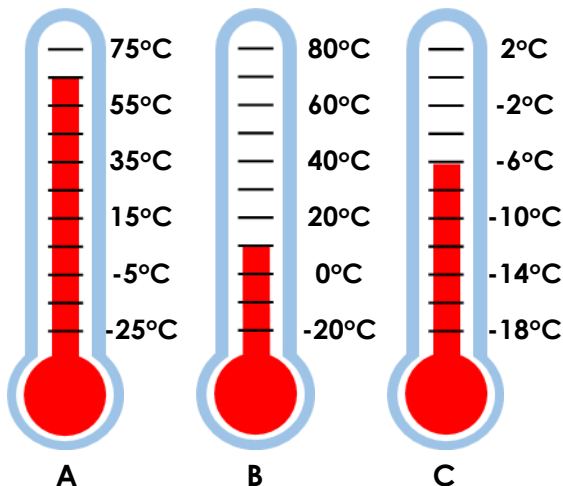
4b. Which iceberg is deeper?



VF

Negative Numbers

5a. Put the temperatures in order from warmest to coolest.



A

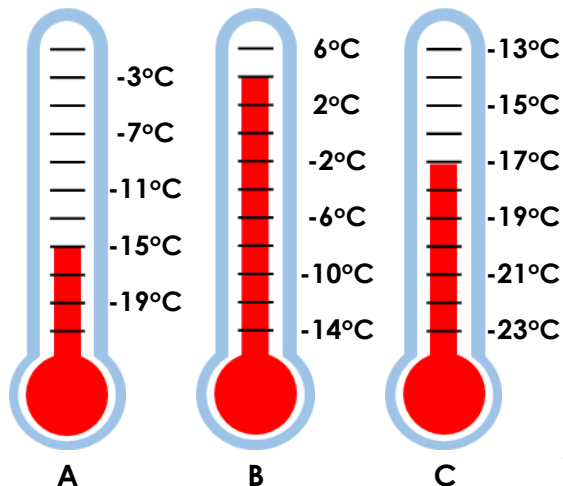
B

C

VF

Negative Numbers

5b. Put the temperatures in order from coolest to warmest.



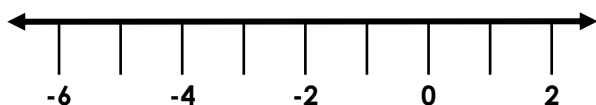
A

B

C

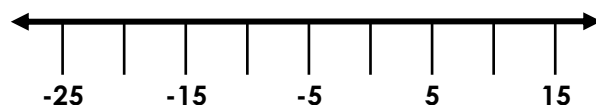
VF

6a. Label -5 on the number line.



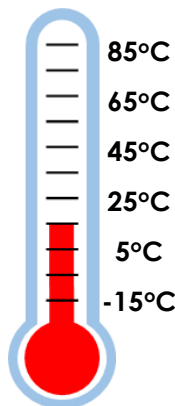
VF

6b. Label 0 on the number line.



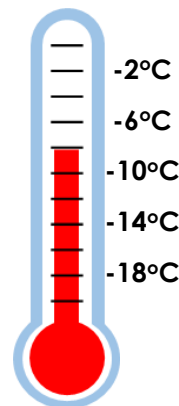
VF

7a. What is the temperature on the thermometer?



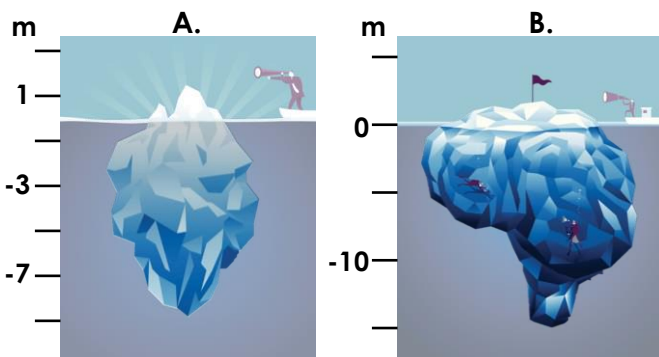
VF

7b. What is the temperature on the thermometer?



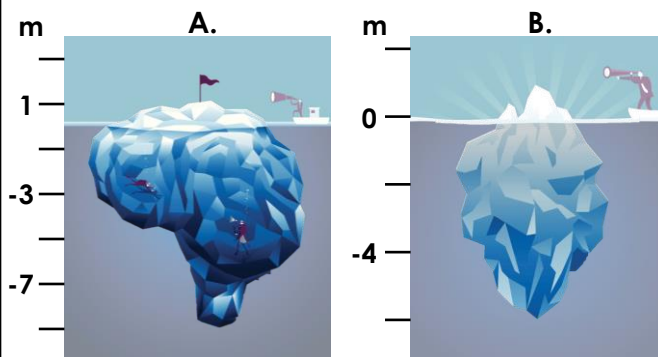
VF

8a. Which iceberg is deeper?



VF

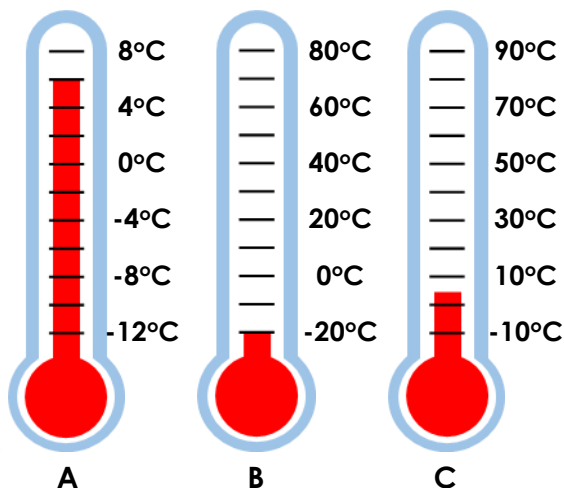
8b. Which iceberg is deeper?



VF

Negative Numbers

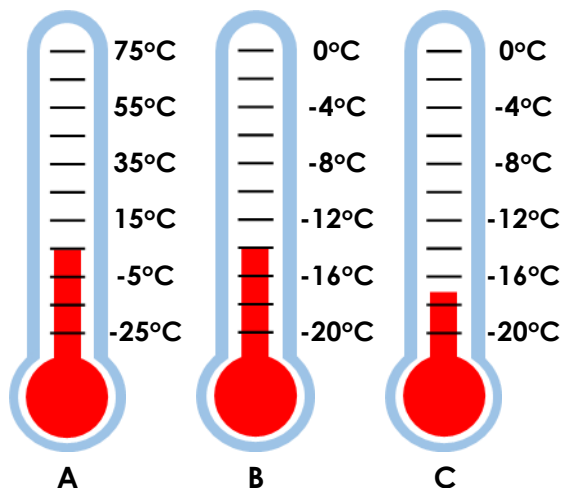
9a. Put the temperatures in order from warmest to coolest.



VF

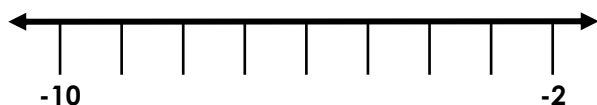
Negative Numbers

9b. Put the temperatures in order from coolest to warmest.



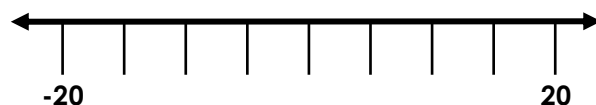
VF

10a. Label -6 on the number line.



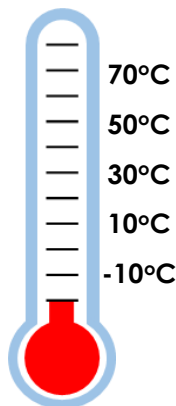
VF

10b. Label -10 on the number line.



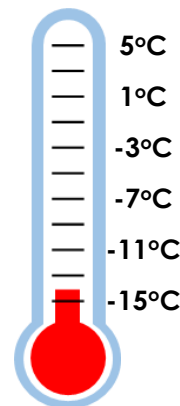
VF

11a. What is the temperature on the thermometer?



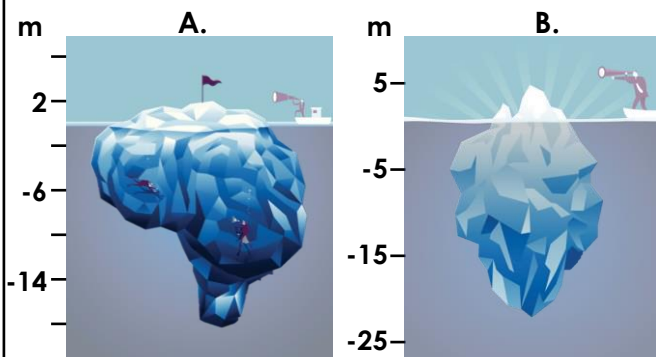
VF

11b. What is the temperature on the thermometer?



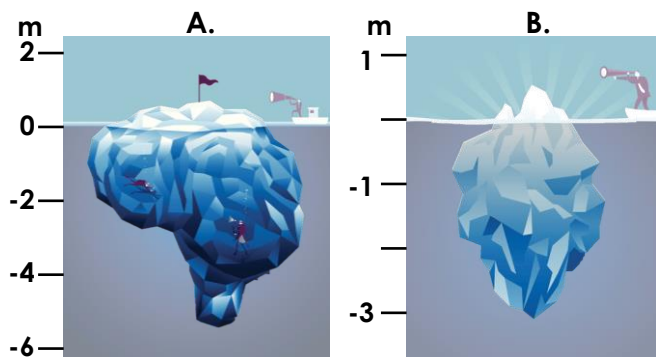
VF

12a. Which iceberg is deeper?



VF

12b. Which iceberg is deeper?



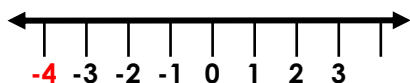
VF

Varied Fluency Negative Numbers

Developing

1a. **B, C, A**

2a.



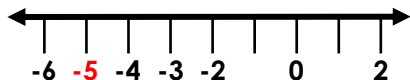
3a. **-8°C**

4a. **A**

Expected

5a. **A, B, C**

6a.



7a. **15°C**

8a. **B**

Greater Depth

9a. **A, C, B**

10a.



11a. **-20°C**

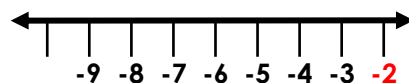
12a. **B**

Varied Fluency Negative Numbers

Developing

1b. **B, A, C**

2b.



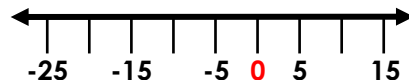
3b. **90°C**

4b. **B**

Expected

5b. **C, A, B**

6b.



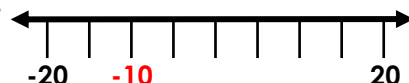
7b. **-8°C**

8b. **A**

Greater Depth

9b. **C, B, A**

10b.



11b. **-14°C**

12b. **A**