Homework/Extension
Step 7: Temperature

National Curriculum Objectives:

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

Differentiation:

Questions 1, 4 and 7 (Varied Fluency)
Developing Match thermometers to statements. Scales include increments of 1 or 10. All increments are marked and all temperatures fall directly on the marked increments.
Expected Match thermometers to statements. Scales include increments of 2, 5 and 10. Most increments are marked and some temperatures fall between marked increments.
Greater Depth Match thermometers to statements. Scales include increments of 2, 5 and 10. Some increments are marked and most temperatures fall between marked increments.

Questions 2, 5 and 8 (Varied Fluency)
Developing Order thermometers according to the temperatures shown. Scales include increments of 1 or 10. All increments are marked and all temperatures fall directly on the marked increments.
Expected Order thermometers according to the temperatures shown. Scales include increments of 2, 5 and 10. Most increments are marked and some temperatures fall between marked increments.
Greater Depth Order thermometers according to the temperatures shown. Scales include increments of 2, 5 or 10. Some increments are marked and most temperatures fall between marked increments.

Questions 3, 6 and 9 (Reasoning and Problem Solving)
Developing Explain which statement is correct by reading temperatures using thermometers. Scales include increments of 1 or 10. All increments are marked and all temperatures fall directly on the marked increments.
Expected Explain which statement is correct by reading temperatures using thermometers. Scales include increments of 2, 5 and 10. Most increments are marked and some temperatures fall between marked increments.
Greater Depth Explain which statement is correct by reading temperatures using thermometers. Scales include increments of 2, 5 or 10. Some increments are marked and most temperatures fall between marked increments.

More Year 2 Mass, Capacity and Temperature resources.

Did you like this resource? Don't forget to review it on our website.

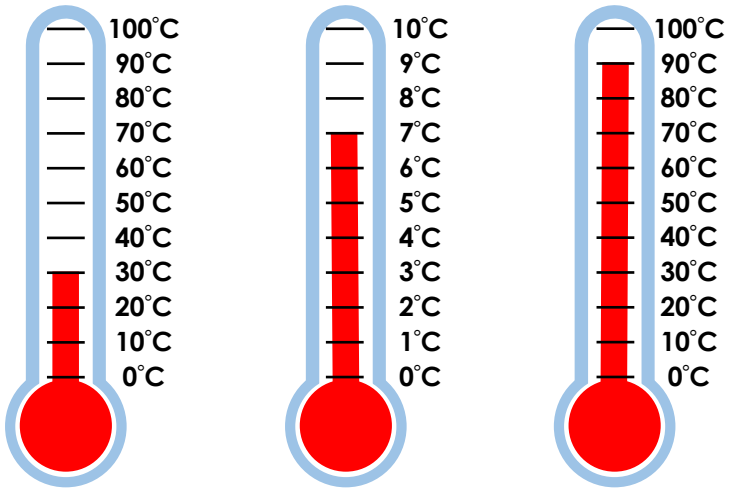
Temperature

1. Match each thermometer to the correct statement.

A. The temperature is an odd number.

B. The is the highest temperature.

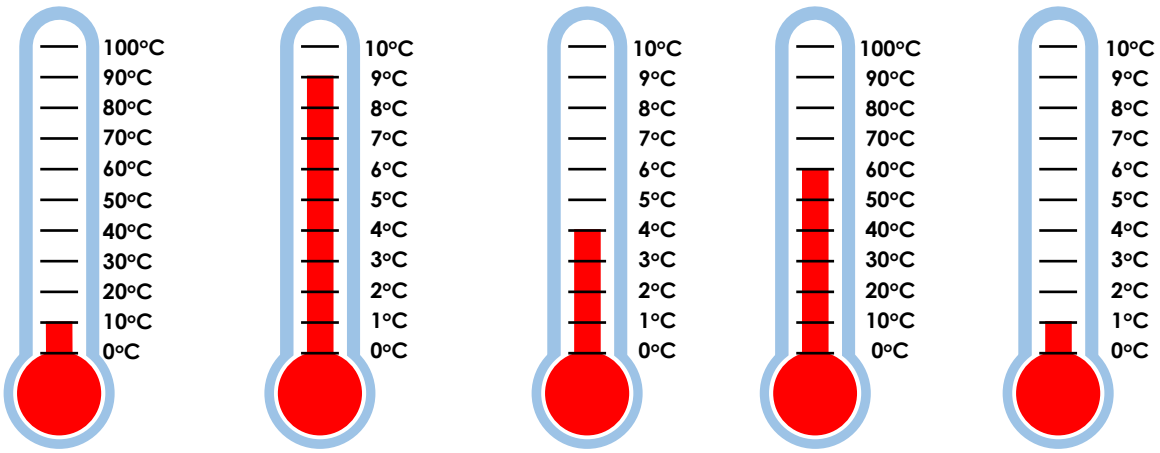
C. The temperature is half of 60°C.



D

VF
HW/Ext

2. Order the temperatures from lowest to highest.



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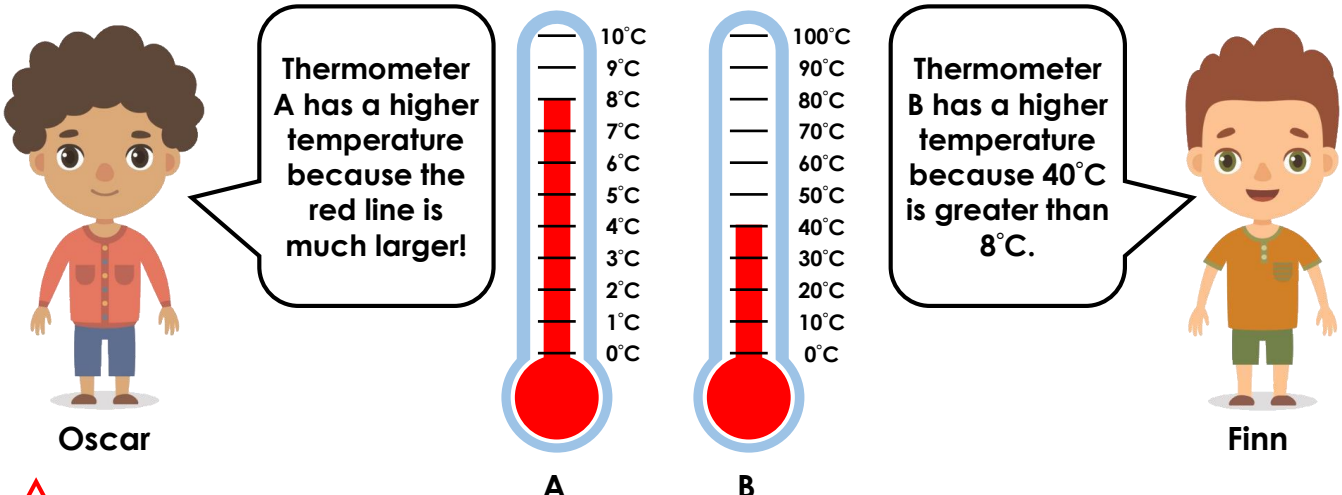
3. Oscar and Finn are comparing thermometers. Who do you agree with? Explain why.



D

RPS
HW/Ext

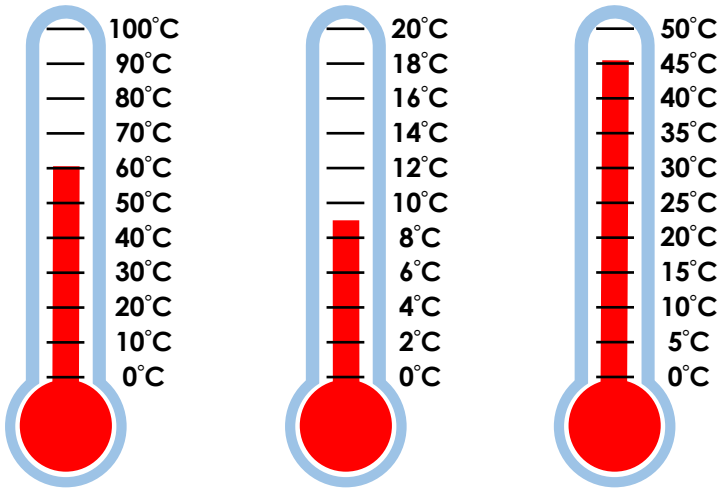
Temperature

4. Match each thermometer to the correct statement.

A. The temperature is not the highest or lowest.

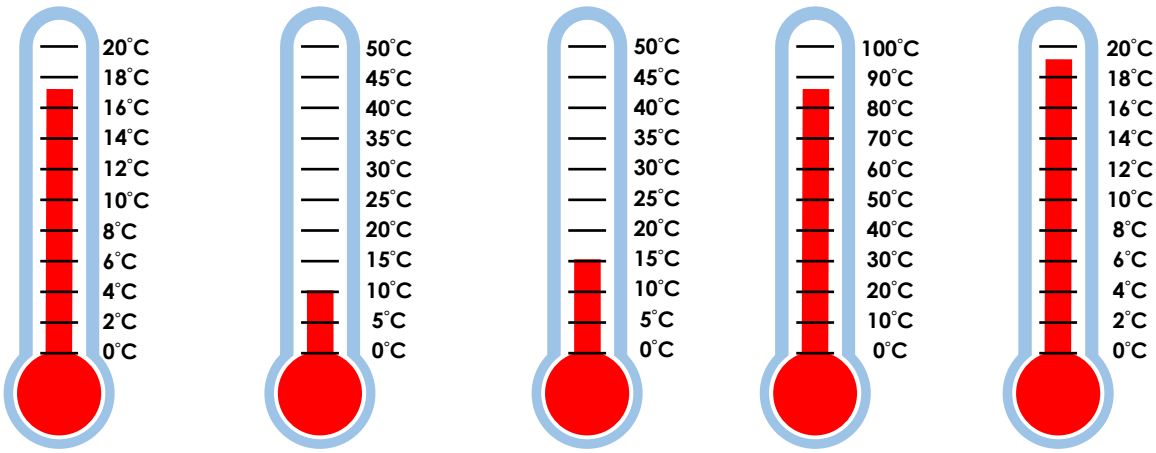
B. The temperature is an even number.

C. The temperature is less than 10°C.



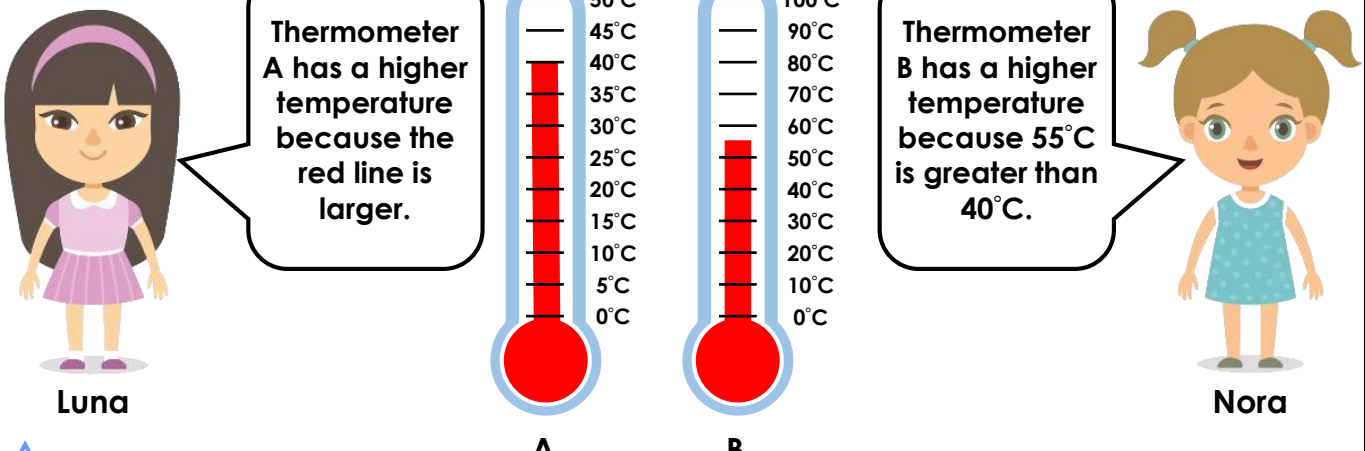
VF
HW/Ext

5. Order the temperatures from lowest to highest.



VF
HW/Ext

6. Luna and Nora are comparing thermometers. Who do you agree with? Explain why.



RPS
HW/Ext

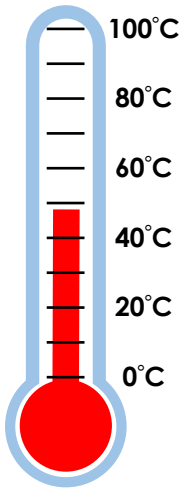
Temperature

7. Match each thermometer to the correct statement.

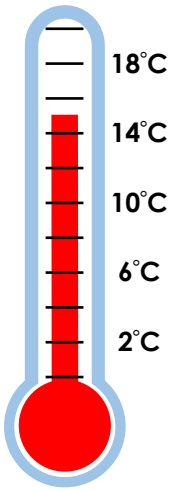
A. The temperature has two identical digits.

B. The temperature is between 46°C and 52°C.

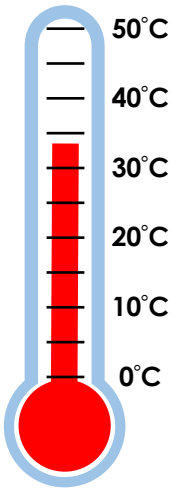
C. The temperature is half of 30°C.



1



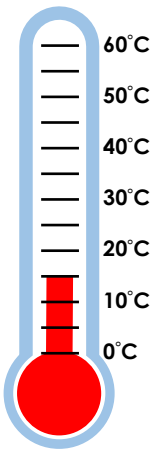
2



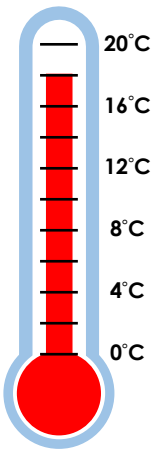
3

VF
HW/Ext

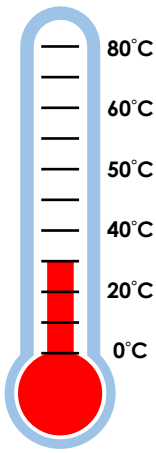
8. Order the temperatures from highest to lowest.



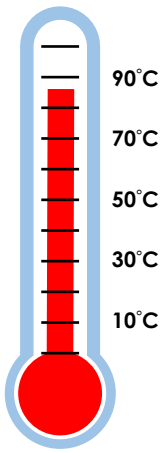
A



B



C



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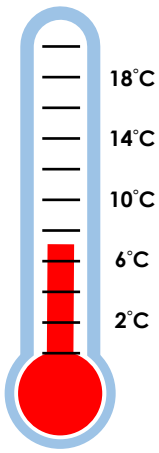


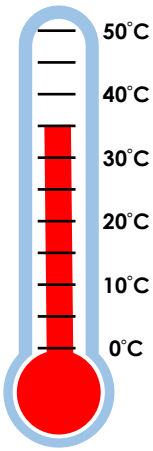
E

VF
HW/Ext

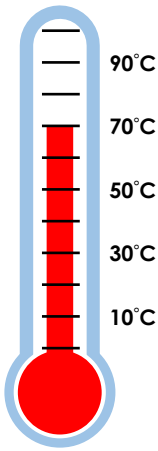
9. Eli and Atticus are comparing thermometers. Who do you agree with? Explain why.

Eli

Thermometer B's temperature is double the temperature of thermometer A.



A



B

The temperatures shown by thermometers A and B are almost equal!

Atticus

RPS
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Homework/Extension
Temperature

Developing

1. A = 2; B = 3 and C = 1
2. E; C; B; A and D
3. Finn is correct because 40°C is greater than 8°C. Thermometer A's scale is in increments of 1°C whereas Thermometer B's scale is in increments of 10°C.

Expected

4. A = 3; B = 1 and C = 2
5. B; C; A; E and D
6. Nora is correct because 55°C is greater than 40°C. Thermometer A's scale is in increments of 5°C whereas Thermometer B's scale is in increments of 10°C.

Greater Depth

7. A = 3; B = 1 and C = 2
8. D; C; B; A and E
9. Eli is correct because thermometer A shows 35°C and thermometer B shows 70°C. 70 is double 35. Atticus has looked at the red lines without interpreting the different scales accurately.