Varied Fluency
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 (ºC); capacity (litres/ml) to the nearest appropriate unit, using rulers, scales, thermometers and measuring vessels

Differentiation:

Developing Questions to support reading temperature using thermometers. Scales in increments of 1 or 10. Most increments marked and all temperatures fall directly on the marked increments.

Expected Questions to support reading temperature using thermometers. Scales in increments of 2, 5 or 10. Most increments marked and some temperatures fall between marked increments.
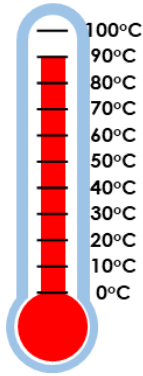
Greater Depth Questions to support reading temperature using thermometers. Scales in increments of 2, 5 or 10. Some increments marked and most temperatures fall between marked increments.

More Year 2 Mass and Capacity resources.

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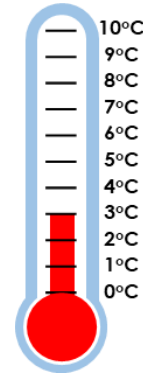
Temperature

1a. Complete the sentence.

100°C
90°C
80°C
70°C
60°C
50°C
40°C
30°C
20°C
10°C
0°C

D

The temperature is _____ .

VF

1b. Complete the sentence.

10°C
9°C
8°C
7°C
6°C
5°C
4°C
3°C
2°C
1°C
0°C

D

The temperature is _____ .

VF

2a. Which is the highest temperature?
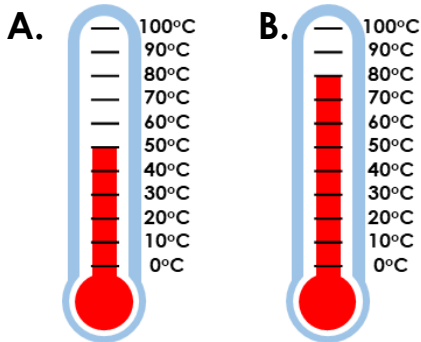
A.
100°C
90°C
80°C
70°C
60°C
50°C
40°C
30°C
20°C
10°C
0°C

B.
100°C
90°C
80°C
70°C
60°C
50°C
40°C
30°C
20°C
10°C
0°C

D

VF

2b. Which is the highest temperature?

A.
10°C
9°C
8°C
7°C
6°C
5°C
4°C
3°C
2°C
1°C
0°C

B.
100°C
90°C
80°C
70°C
60°C
50°C
40°C
30°C
20°C
10°C
0°C

D

VF

3a. True or false? The temperature is 100˚C.

10°C
9°C
8°C
7°C
6°C
5°C
4°C
3°C
2°C
1°C
0°C

D
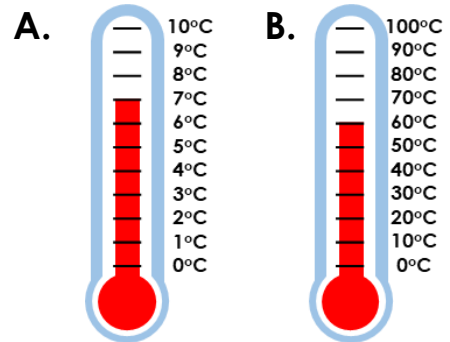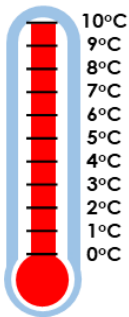
VF

3b. True or false? The temperature is 30˚C.
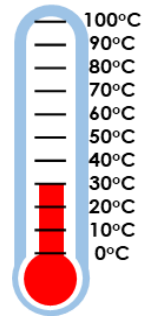
100°C
90°C
80°C
70°C
60°C
50°C
40°C
30°C
20°C
10°C
0°C

D

VF

4a. Write the missing numbers on the scale and complete the temperature.

100°C
[ ]
80°C
70°C
60°C
50°C
[ ]
30°C
20°C
10°C
0°C

[ ] →

D

VF

4b. Write the missing numbers on the scale and complete the temperature.

10°C
9°C
8°C
7°C
[ ]
5°C
4°C
3°C
2°C
[ ]
0°C

[ ] →

D

VF

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Varied Fluency – Temperature – Year 2 Developing
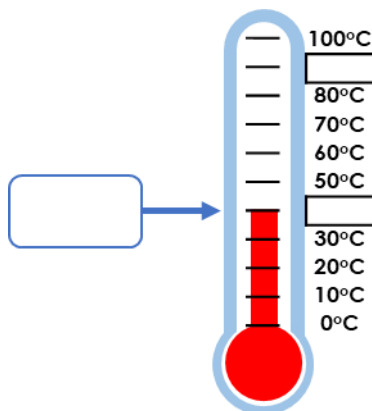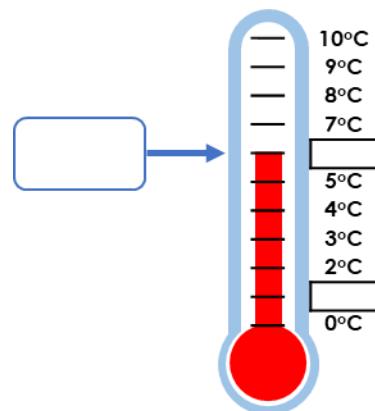
Temperature

5a. Complete the sentence.

100°C
90°C
80°C
70°C
60°C
50°C
40°C
30°C
20°C
10°C
0°C

☆ E   The temperature is _____ .   VF

5b. Complete the sentence.

20°C
18°C
16°C
14°C
12°C
10°C
8°C
6°C
4°C
2°C
0°C
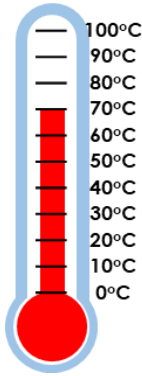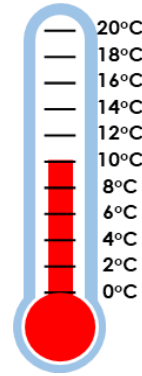
☆ E   The temperature is _____ .   VF

6a. Which is the highest temperature?

A.
90°C
70°C
50°C
30°C
10°C

B.
50°C
40°C
30°C
15°C
10°C
0°C

☆ E   VF

6b. Which is the highest temperature?

A.
45°C
35°C
25°C
15°C
5°C

B.
20°C
18°C
14°C
10°C
6°C
0°C
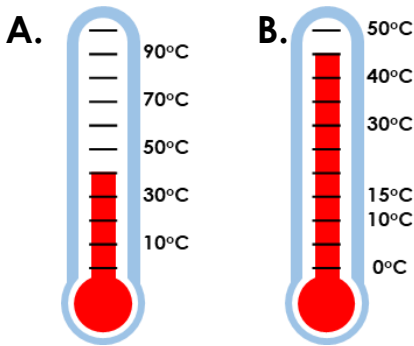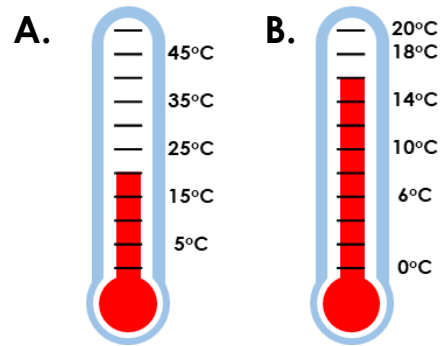
☆ E   VF

7a. True or false? The temperature is 40°C.

100°C
80°C
60°C
30°C
10°C
0°C
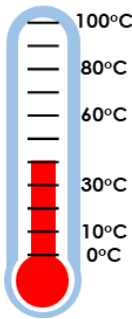
☆ E   VF

7b. True or false? The temperature is 45°C.

50°C
35°C
25°C
20°C
10°C
5°C
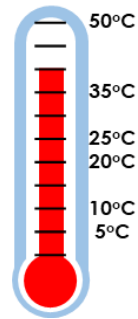
☆ E   VF

8a. Write the missing numbers on the scale and complete the temperature.

20°C
☐
16°C
☐
12°C
10°C
☐
6°C
4°C
☐
0°C
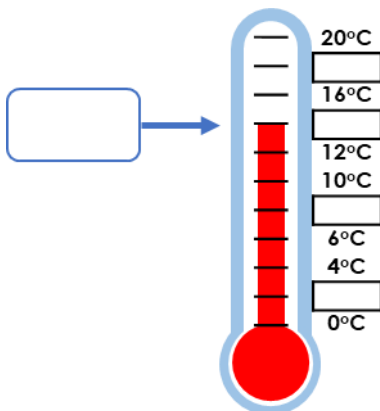
☆ E   VF

8b. Write the missing numbers on the scale and complete the temperature.

☐
45°C
40°C
☐
25°C
20°C
15°C
10°C
☐
☐
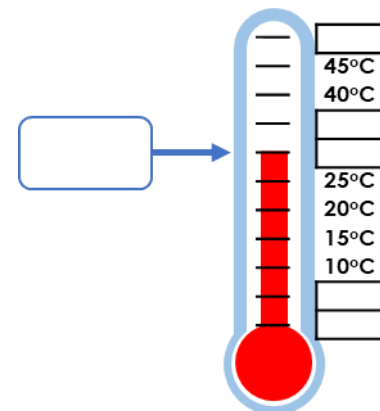
☆ E   VF

Temperature

9a. Complete the sentence.

45°C

35°C

15°C
10°C

0°C

The temperature is _____ .

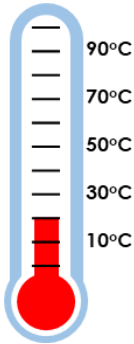VF
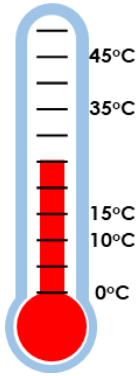
9b. Complete the sentence.

20°C

12°C

8°C

4°C
2°C
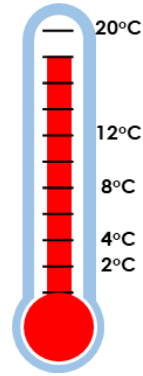
The temperature is _____ .

VF

10a. Which is the highest temperature?

A.

90°C
70°C
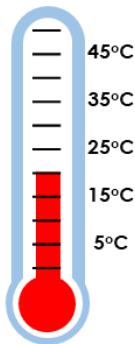50°C
30°C
10°C

B.

50°C
40°C
30°C
20°C
10°C
0°C
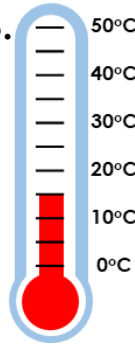
VF

10b. Which is the lowest temperature?

A.

20°C
16°C
12°C
8°C
4°C
0°C

B.

45°C
35°C
25°C
15°C
5°C
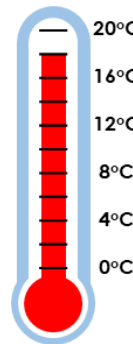
VF

11a. True or false? The temperature is 14°C.

20°C
16°C

10°C

6°C

2°C
0°C
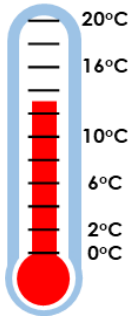
VF

11b. True or false? The temperature is 5°C.
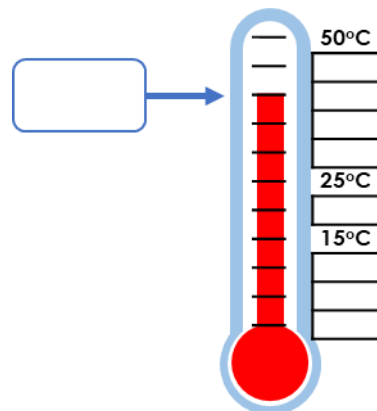
50°C
40°C
30°C
25°C

10°C
0°C
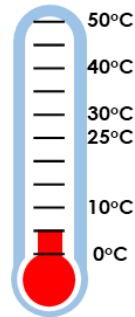
VF

12a. Write the missing numbers on the scale and complete the temperature.
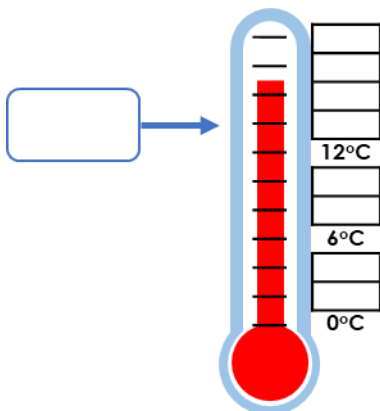
12°C

6°C

0°C

VF

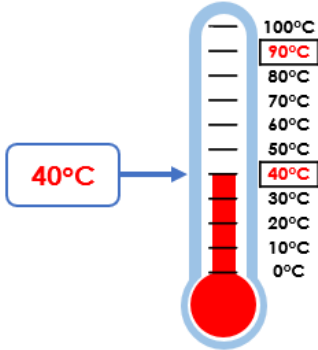**12b.** Write the missing numbers on the scale and complete the temperature.

50°C

25°C

15°C

VF

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Varied Fluency – Temperature – Year 2 Greater Depth

Developing

1a. **90°C**
2a. **Thermometer B**
3a. **False as the temperature is 10°C.**
4a. **Missing labels include:**

Developing

1b. **3°C**
2b. **Thermometer B**
3b. **True**
4b. **Missing labels include:**
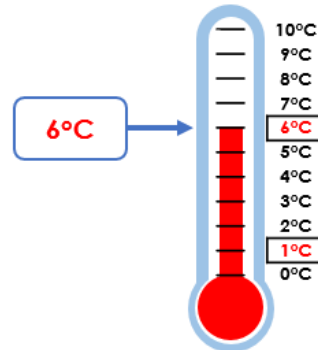
Expected

5a. **70°C**
6a. **Thermometer B**
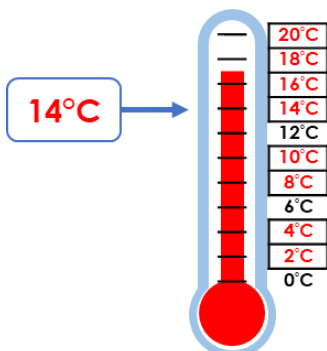7a. **True**
8a. **Missing labels include:**
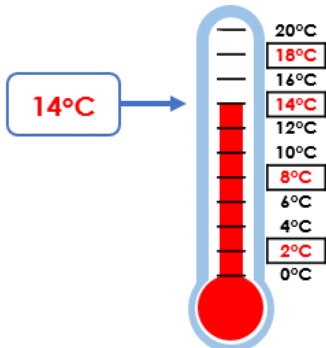
Expected

5b. **10°C**
6b. **Thermometer A**
7b. **False as the temperature shows 40°C.**
8b. **Missing labels include:**
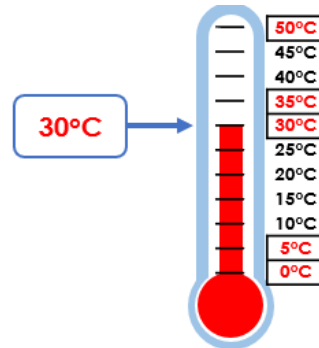
Greater Depth

9a. **25°C**
10a. **Thermometer A**
11a. **False as the temperature is 13°C.**
12a. **Missing labels include:**

Greater Depth

9b. **18°C**
10b. **Thermometer A**
11b. **True**
12b. **Missing labels include:**

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Varied Fluency – Temperature ANSWERS