Canonbury Home Learning
Year 2/3 Maths
Steppingstone activity

Lesson 3 – 24.06.2020
LO: To describe temperature

Success Criteria:

|	
1.	Read the information about temperature
2.	Watch the video about reading temperature using thermometers https://www.bbc.co.uk/bitesize/clips/z99ncdm
3.	Fill the correct words in the spaces.
4.	Put the things in order of hottest to coldest – you could research how hot the sun is and a healthy body temperature.

1. **Temperature is a measure of how hot something is. Water freezes at 0°C (degrees Celsius) and boils at 100°C. Your blood is usually 37°C.**

Model:
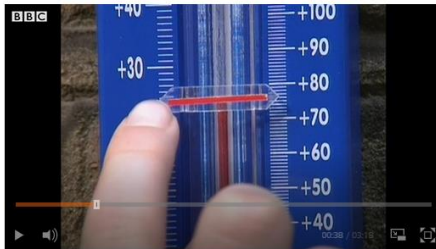
2. Watch this video as an introduction to temperature:
https://www.bbc.co.uk/bitesize/clips/z99ncdm

3. A thermometer measures temperature. Where have you seen a thermometer?

Do you have one in your house?

If you do, measure the temperature of air outside and compare it to the temperature inside. What was the difference?

If you don't, you can feel the temperature is different in different places.

Fill in the missing words:

The temperature in my fridge is _____ than in the kitchen.

The temperature under my duvet is _____ than outside my front door.

hotter   colder   cooler   warmer

4. How see if you can **put these things in order** of **hottest** to **coldest**.
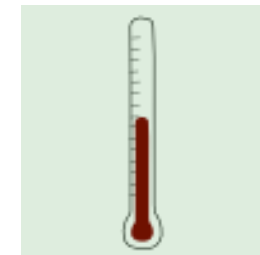You might want to ask an adult to help you find out the temperature of some of these!

Temperature:
Of a kettle of boiling water
Of the centre of the sun
On a thermometer when you are feeling well
Of the water in a school pond

Canonbury Home Learning
Year 2/3 Maths

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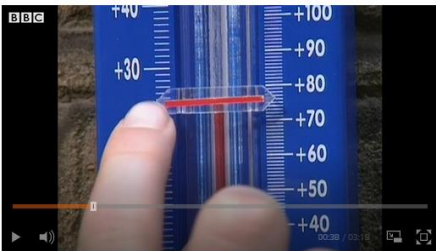LO: To read temperature using thermometer scales

Success Criteria:

1. Temperature is a measure of how hot something is. Water freezes at 0°C (degrees Celsius) and boils at 100°C. Your blood is usually 37°C.

|	
1.	Read the information about temperature.
2.	Watch the video about reading temperature using thermometers https://www.bbc.co.uk/bitesize/clips/z99ncdm
3.	Task 1: Read the scale on the thermometer to workout the temperature
4.	Task 2: Compare temperatures by looking at the scale on the thermometers

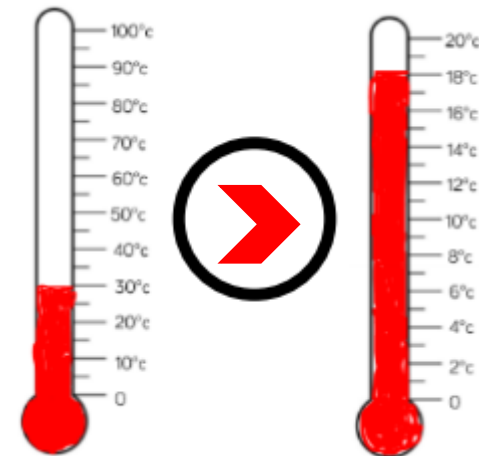**Model:**

2.

https://www.bbc.co.uk/bitesize

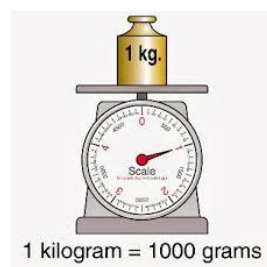**3.** You are reading the thermometer scale to find the temperature:
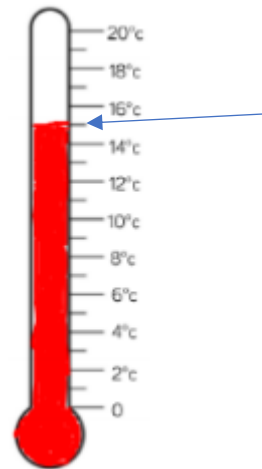
The line on the thermometer is between 14 and 16 degrees, so the temperature is 15 degrees Celsius (15°C)

4. You are comparing the temperatures by looking at the thermometer scales:

Compare the temperatures using <, > or =
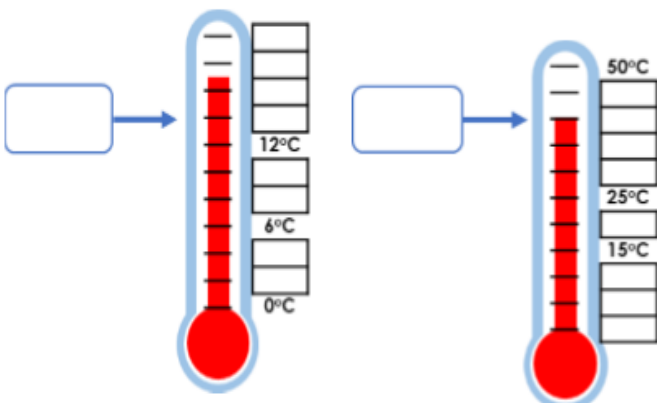
30°C is greater than 18°C

Canonbury Home Learning
Year 2/3 Maths
Main activity
Complete at least 2 columns, more if you can!

1 kg.

Scale

CANONBURY
PRIMARY SCHOOL
Create, discover and succeed together

1 kilogram = 1000 grams

Task 1	Task 2

Task 1

Practice

What is the temperature?

1.

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

2.

20°C
18°C
16°C
14°C
12°C
10°C
8°C
6°C
4°C
2°C
0°C

3.

100°C
80°C
60°C
30°C
10°C
0°C

4.

50°C
35°C
25°C
20°C
10°C
5°C

5.

45°C
35°C
15°C
10°C
0°C

6.

50°C
40°C
30°C
25°C
10°C
0°C

7. Write the missing numbers on the scales to complete the temperature:

12°C
6°C
0°C

50°C
25°C
15°C

Task 2

Practice Use < > or =

Which is the highest temperature?

1.

A.
90°C
70°C
50°C
30°C
10°C

B.
50°C
40°C
30°C
15°C
10°C
0°C

2.

A.
45°C
35°C
25°C
15°C
5°C

B.
20°C
18°C
14°C
10°C
6°C
0°C

3.

A.
90°C
70°C
50°C
30°C
10°C

B.
50°C
40°C
30°C
20°C
10°C
0°C

4. 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

5.

50°c
45°c
40°c
35°c
30°c
25°c
20°c
15°c
10°c
5°c
0

20°c
18°c
16°c
14°c
12°c
10°c
8°c
6°c
4°c
2°c
0

Task 3	Task 4
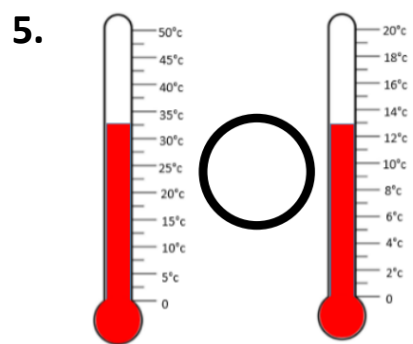
Task 3

Reasoning

Explain your answers.

4b. Rose is reading the temperature outside. She says,

It is 30°C.

50°C
45°C
35°C
25°C
15°C
10°C
5°C
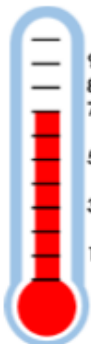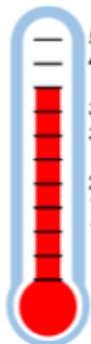0°C

Is she correct?
Explain why.
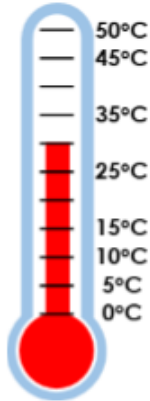
5a. Which thermometer is the odd one out? Explain why.

90°C
80°C
70°C
50°C
30°C
10°C
0°C

50°C
45°C
35°C
30°C
20°C
15°C
10°C
0°C

100°C
80°C
60°C
40°C
20°C
0°C
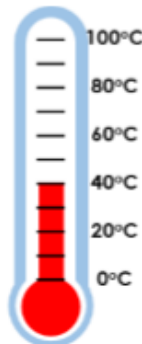
A   B   C

What is the same and what is different about the thermometers/temperatures?

50°c
45°c
40°c
35°c
30°c
25°c
20°c
15°c
10°c
5°c
0

100°c
90°c
80°c
70°c
60°c
50°c
40°c
30°c
20°c
10°c
0
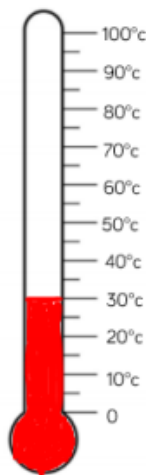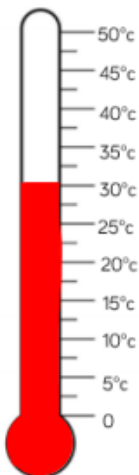
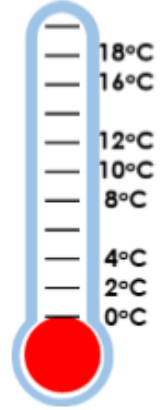## Task 4

Problem solving

6a. Mason is describing a temperature. Draw on the thermometer, one possibility of what the temperature could be.

This temperature is an even number which is higher than 11°C.

18°C
16°C
12°C
10°C
8°C
4°C
2°C
0°C

6b. Isabella is describing a temperature. Draw on the thermometer, one possibility of what the temperature could be.

This temperature is a 2-digit number which is in the 10 x table.

45°C
40°C
35°C
30°C
25°C
20°C
15°C
5°C
0°C
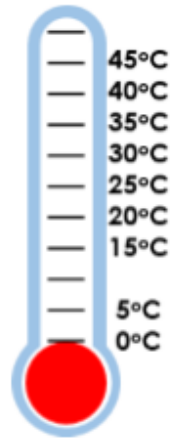
Mollie took the temperature at 12 p.m. and again at 5 p.m. There was a difference of 7°C.

What could the temperatures be?

Challenge

This challenge involves negative numbers which is something you will learn about in upper KS2. This challenge is one to be done with an adult for Year 3s. Use the thermometer to help you.

I have a thermometer in my greenhouse.

I looked at it on Sunday when the temperature was 4∘C.
Overnight the temperature fell by 5∘.
Then during Monday it rose by 6∘ before falling by 10∘ during the night.
On Tuesday it rose by 4∘ and fell by 2∘ overnight.

What was the temperature when I looked at the thermometer on Wednesday morning?

°C

10
9
8
7
6
5
4
3
2
1
0
-1
-2
-3
-4
-5
-6
-7
-8
-9
-10