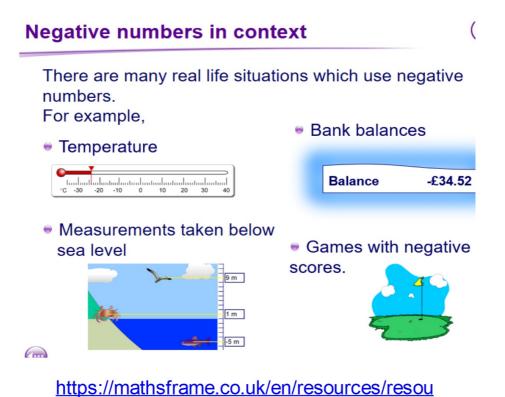
## Task 1

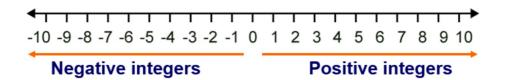
# TLHT interpret negative numbers in context, with counting forwards and backwards



rce/89/itp-thermometer

## TLHT interpret negative numbers in context, with counting forwards and backwards

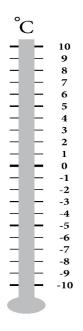
Positive and negative integers can be shown on a number line.



What do you notice?

Can you count forwards and backwards?

## <u>TLHT interpret negative numbers in context, with counting forwards and backwards</u>

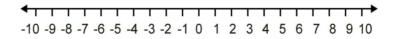


We can also use a number line to help us write integers in order.

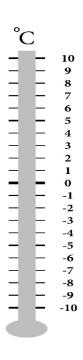
Write the integers –2, 8, 2, –6, –9 and 5 in order from smallest to largest.

Look at the position of the integers on the number line:

Can you order them from smallest to biggest?



Let's plot them to see which is the smallest! This will help us order them smallest to biggest.

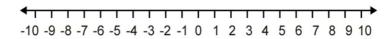


# TLHT interpret negative numbers in context, with counting forwards and backwards

We can also use a number line to help us write integers in order.

Write the integers –2, 8, 2, –6, –9 and 5 in order from smallest to largest.

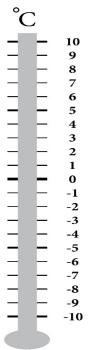
Look at the position of the integers on the number line:

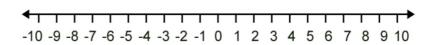


#### **ANSWERS**

From smallest to largest:

-9 -6 -2 2 5 8



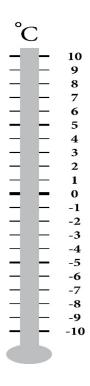


a) What is the difference between 3 and -4?

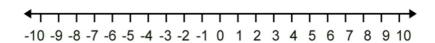
(to work out difference, count the jumps in between)

b) The temperature was -2 and it rose by 7 degrees, what was the new temperature?

(if something 'rose' it would go up)



### **ANSWERS**



a) What is the **difference** between 3 and -4?

The difference is 7.

b) The temperature was -2 and it rose by 7 degrees, what was the new temperature?

The new temperature would be 5 degrees.

Make sure you have cubes or draw a number line.

The table shows the temperature of different cities on one day in November.

Estonia	Iceland	London	Canada	Moscow
- 8° C	-12°C	4 C°	- 10°C	- 12°C

The temperature goes up in Estonia by 5 degrees. What is the temperature now? \_\_\_\_\_

The temperature goes down in Moscow by 7 degrees. What is the temperature now? \_\_\_\_\_

The temperature goes up in Iceland by 11 degrees. What is the temperature now? \_\_\_\_\_

The temperature goes up in London by 5 degrees. What is the temperature now? \_\_\_\_\_

The temperature goes down in Canada by 6 degrees. What is the temperature now? \_\_\_\_\_

Which cities are below freezing in November?

#### **ANSWERS**

The table shows the temperature of different cities on one day in November.

Estonia	Iceland	London	Canada	Moscow	
- 8° C	-12°C	4 C°	- 10°C	- 12°C	

The temperature goes up in Estonia by 5 degrees. What is the temperature now? \_\_-3 degrees

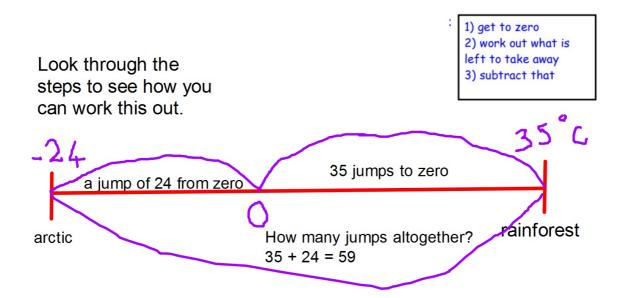
The temperature goes down in Moscow by 7 degrees. What is the temperature now? \_\_-19 degrees

The temperature goes up in Iceland by 11 degrees. What is the temperature now? \_\_-1 degrees\_

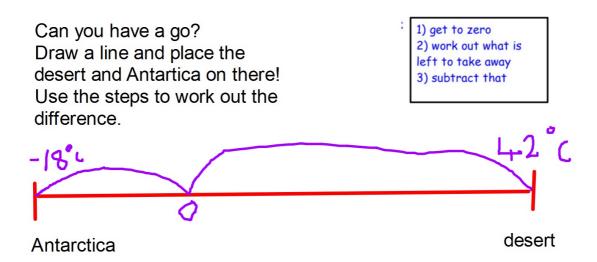
The temperature goes up in London by 5 degrees. What is the temperature now? 9 degrees

The temperature goes down in Canada by 6 degrees. What is the temperature now? \_\_-16 degrees

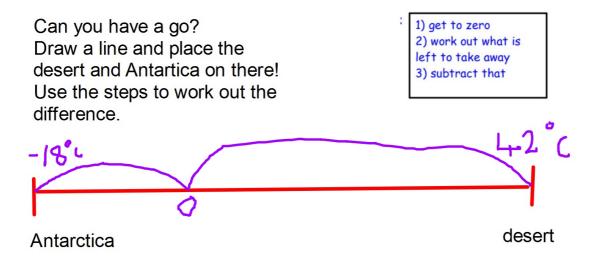
Which cities are below freezing in November? Estonia, Iceland, Canada, Moscow



The rainforest has a tempertaure of 35 degrees. The artcic has a temperature of -24 degrees. Show the difference in temperature on a number line



The desert has a temperature of 42 degrees. Antarctica has a temperature of -18 degrees. Show the difference in temperature on a number line



The desert has a tempertaure of 42 degrees.
Antarctica has a temeperature of -18 degrees.
Show the difference in temperature on a number line

ANSWER: 42 JUMPS ADD 18 JUMPS = 60