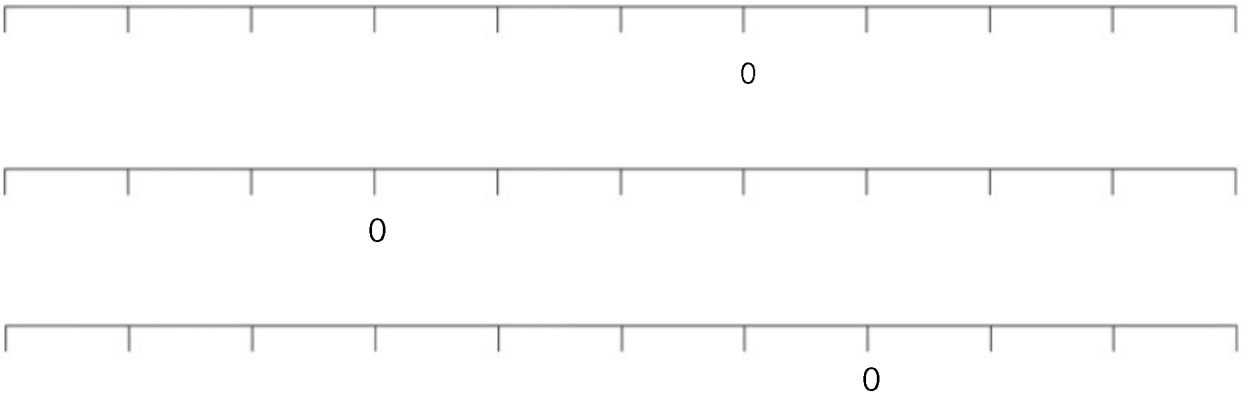
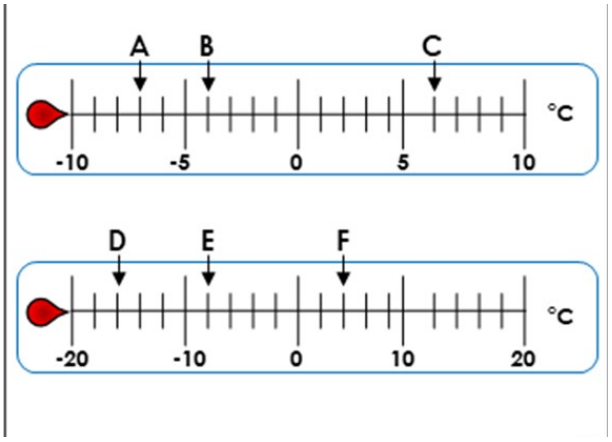
18.10.2021

Identifying negative numbers

On each number line, label the highest and lowest numbers.

Circle the lowest number of all three numberlines. Then circle the highest.





A =

B =

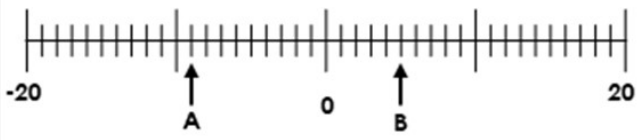
C =

D =

E =

F =

4. Homer thinks that the number that lies halfway between A and B is -3.



Is he correct? Prove it.

18.10.2021

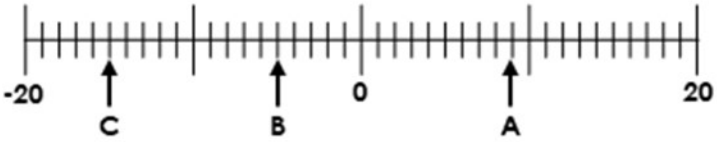
Challenge

4. Lyra has recorded each answer to the questions below on the number line.

A. 20 more than -11

B. Halfway between 0 and -10

C. -8 subtract 8



Is she correct? Explain your answer.

18.10.2021

Challenge

4. Lyra has recorded each answer to the questions below on the number line.

A. 20 more than -11

B. Halfway between 0 and -10

C. -8 subtract 8

-20
C
B
0
A
20

Is she correct? Explain your answer.

19.10.2021

Comparing positive and negative numbers—task 1

Number pair		Positive number further from zero	Negative number further from zero	Both numbers same distance from zero
–6	**12**	✓		
–12	**6**			
–6	**6**			
10	**–1**			
10	**–10**			
10	**–100**			

Use < = or > to fill in the gaps

2 ◯ 3

3 ◯ 4

–2 ◯ –3

–3 ◯ –4

31 ◯ 29

31 ◯ 30

31 ◯ 31

31 ◯ 32

–31 ◯ –29

–31 ◯ –30

–31 ◯ –31

–31 ◯ –32

19.10.2021

Comparing positive and negative numbers—task 2

Average monthly temperatures for the South Pole and London:

	South Pole		London	
	Min (°C)	Max (°C)	Min (°C)	Max (°C)
Jan	–30	–26	2	8
Feb	–43	–38	2	8
Mar	–57	–50	4	11
Apr	–61	–53	6	14
May	–62	–54	9	18
Jun	–63	–54	12	21
Jul	–63	–55	14	23
Aug	–63	–55	14	23
Sep	–62	–54	11	20
Oct	–54	–48	8	16
Nov	–40	–36	5	11
Dec	–29	–26	3	8

Which is the coldest temperature recorded in the South Pole?

Which was the warmest temperature recorded in the South Pole?

Which is the coldest temperature recorded in London?

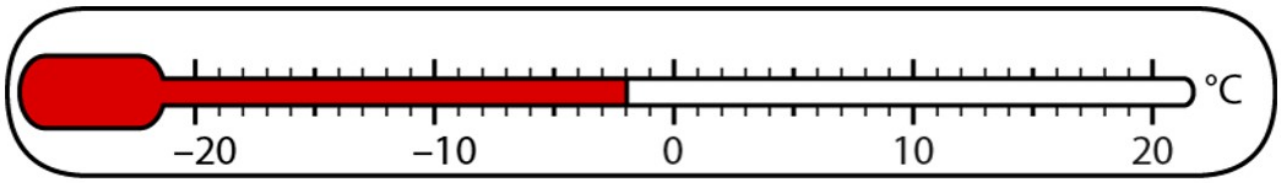
Which was the warmest temperature recorded in London?

Complete the diagram using the temperatures in the table above.

	South Pole	London
Coldest minimum temperature (°C)		
Month of coldest minimum temperature		
Warmest maximum temperature (°C)		
Month of warmest maximum temperature		

21.10.2021

Finding intervals between positive and negative numbers



- *What temperature does the thermometer show?*

- *The temperature rises by 16 °C. Mark the new temperature reading on the thermometer.*

- *The temperature falls from 14 °C to –4 °C. By how many degrees does the temperature fall?*

- *The temperature rises from –4 °C by 10 °C. What is the new temperature?*

- *The temperature falls from 10 °C by 16 °C. What is the new temperature?*

- *The temperature falls from –6 °C by 3 °C. What is the new temperature?*

The table below shows the balance in Markus's bank account. It shows how much money he has paid in and taken out. Can you complete the missing amounts in the account?

Date	Paid in	Paid out	Amount in account
31 December			£150
5 January		£30	
10 January		£50	£70
11 January		£100	
12 January	£10		−£20
16 January	£20	£130	

21.10.2021

Challenge

Create your own bank account statement like the one on the previous sheet. Can you include some negative numbers?

Date	Paid in	Paid out	Amount in account

21.10.2021

Challenge

Create your own bank account statement like the one on the previous sheet. Can you include some negative numbers?

Date	Paid in	Paid out	Amount in account