1)



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

What is 7 less than -2? -9

-5 + 11 = 6

What is 12 taken from 5? -7

Add 8 to -9 = -1

-10 + 14 = 4

2)

I have a -£17 balance in my bank account. I put £15 into my account. What is my new balance?	-£2
My bank account has £35 in it. I spend £49 pounds. What is my new bank account balance?	-£14
I spend £35 on a new bike. The balance in my bank account is now -£18. How much money did I have in my account before I bought the bike?	£17

3)

Town	January	Temperature Change	February	Temperature Change	March
Twinkl Town	-5°C	+8°C	3°C	+7°C	10°C
Education Avenue	-1°C	-8°C	-9°C	10°C	1°C
Learning Lane	-11.3°C	-6°C	-17.3°C	12°C	-5°C

1)

(30 Can)
(a,a,

Country	Minimum Temperature	Maximum Temperature	Temperature Range
Finland	-20°C 19°C		29°C 39°C
Japan	-2°C	26°C	28°C Correct
Russia	-30.6°C	16.9°C	46.5°C 47.5°C
The UK	-1.5°C	17.3°C	18.2°C

- a) False. The UK has an average temperature range of 18.8°C.
- b) False. Japan has an average minimum temperature of $-2^{\circ}C$ and the UK has an average minimum temperature of $-1.5^{\circ}C$. Therefore, the UK's temperature is warmer than Japan's and should be ordered after it.
- c) True. The difference between -30.6°C and 26°C is 56.6°C.
- 1) -1°C
- 2) Accept any correct number sentences, such as:





= -10 and



$$= 25 so -10 + 25 = 15$$



= -100 and





= -6.25 and



$$= 21.25 \text{ so } -6.25 + 21.25 = 13$$

Accept any answer that identifies that two positive numbers could be added to make 15 but two negative numbers could not be added to make 15.