



- 1) Complete these calculations.
- a) What is 7 less than -2? **-9**
 - b) $-5 + 11 = 6$
 - c) What is 12 taken from 5 = **-7**
 - d) Add 8 to -9 = **-1**
 - e) $-10 + 14 = 4$

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	$+8^{\circ}\text{C}$	3°C	$+7^{\circ}\text{C}$	10°C
Education Avenue	-1°C	-8°C	-9°C	10°C	1°C
Learning Lane	-11.3°C	-6°C	-17.3°C	12.3°C	-5°C



1)

Country	Average Minimum Temperature	Average Maximum Temperature	Average 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
UK	-1.5°C	17.3°C	18.2°C 18.8°C

- a) *False. The UK has an average temperature range of 18.8°C.*
- b) *False. Japan has an average minimum temperature of -2°C and the UK has an average minimum temperature of -1.5°C. Therefore, the UK's temperature is warmer than Japan's and should be ordered after it. The correct order should be: Russia, Finland, Japan, UK.*
- 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  = 115 so $-100 + 115 = 15$

 = -6.25 and  = 21.25 so $-6.25 + 21.25 = 15$

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.