Challenge 1

Using the number-line work out the answers below.
a) 7 – 16 =

b) 9 – 15 =

c) 5 – 13 =

d) 9– 18 =

e) 5 - 19

f) -1 – 16 =

g) – 3 - 19 =

h) – 4 – 15 =

i) – 3 – 18 =

j) – 5 – 22 =

Challenge 2

Nelly the negative number had a go at working out a calculation involving negative numbers. Nelly thinks that **3 – 17 = 14.** Using your understanding of negative numbers, correct Nelly's mistake, giving a clear explanation for your answer. In your answer, demonstrate your understanding with a number line or diagram to.

Challenge 3

1. In Tokyo, it was -6°C. In Dubai it was 30°C. What was the difference between the two temperatures?
2. If it is -26°C in Canada and 34°C in Australia, what is the difference in temperature?
3. At 6am, the temperature in Eastbourne was -12°C. By 2pm, it had risen by 6°C. What was the temperature in Eastbourne now?
4. Reece's house had a temperature of 12°C. He put the heating on and the temperature rose by 8°C. As he was still cold, Reece decided to light a fire which increased the temperature by a further 13°C. What was the temperature in the house now?
5. At 4pm, the temperature in Sydney, Australia was 28°C. By 2am, it had dropped by 15°C, but by 10am the following morning it had risen by 11°C. What was the temperature in Sydney now?
6. Martin was £-56 overdrawn. He had to spend £34 on his car. What was the total of his debt now?