Temperature Changes

1.

> **The temperature was +3°C at midday.**
>
> **By evening, the temperature was −5°C.**

(a) Some of the calculations below show how to figure out the temperature change.
Circle any that apply.

3 − 5	3 + (−5)	(−5) − 3	(−5) + 3

(b) What was the change in temperature?   Explain your answer.

2.

> **The temperature was −7°C at midnight.**
>
> **By the next day, the temperature had risen by 11°C.**

(a) Some of these calculations show how to figure out the temperature the next day.
Circle any that apply.

7 − 11	11 + (−7)	(−11) − (−7)	(−7) + 11

(b) What was the temperature the next day? Explain your answer.

----

3. Here is a calculation:

$$5 - (-11)$$

(a) Figure out the answer to the calculation:

....

....

(b) Which of these story questions fits the calculation? Circle any that apply.

A	It was extremely cold at midnight. During the morning, the temperature rose by 5°C. By midday, it had reached -11°C. What was the temperature at midnight?
B	The temperature at midnight was −11°C. By midday, the temperature was 5°C. What was the temperature change?
C	At midday, the temperature was 5°C. The temperature then fell by 11°C. What was the final temperature?

Explain your answer:

....

....

....

....

....