

# Temperature Changes



1.

The temperature was  $+3^{\circ}\text{C}$  at midday.  
By evening, the temperature was  $-5^{\circ}\text{C}$ .

(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.

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2.

The temperature was  $-7^{\circ}\text{C}$  at midnight.  
By the next day, the temperature had risen by  $11^{\circ}\text{C}$ .



(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.

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3. Here is a calculation:

$$5 - (-11)$$



(a) Figure out the answer to the calculation:

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(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 $5^{\circ}\text{C}$ . By midday, it had reached $-11^{\circ}\text{C}$ . What was the temperature at midnight?
B	The temperature at midnight was $-11^{\circ}\text{C}$ . By midday, the temperature was $5^{\circ}\text{C}$ . What was the temperature change?
C	At midday, the temperature was $5^{\circ}\text{C}$ . The temperature then fell by $11^{\circ}\text{C}$ . What was the final temperature?

Explain your answer:

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