

EXAMPLE

Read the table on the right and solve the problems.

- a. Calculate the difference in temperature in Townsville from day to night.

$$\begin{aligned} \text{Difference} &: -5 - (+12) \\ &= -5 - 12 = -17 \end{aligned}$$

Answer : The difference in temperature is 17°C .

Town	Temperature	
	Day	Night
Townsville	12°C	-5°C
Pleasantville	15°C	-3°C

- b. Determine the average night temperature in the 2 towns.

$$\text{Average} : (-5 + (-3)) \div 2 = -8 \div 2 = -4$$

Answer : The average night temperature in the 2 towns is -4°C .

- c. Determine the change in temperature going from Townsville to Pleasantville at night.

$$\text{Change} : -3 - (-5) = -3 + 5 = +2$$

Answer : There is a rise of 2°C .

Solve the problems. Show your work.

- ① Bob states that one of the following statements is false. Is he correct?

- A. $3 > 2$ B. $-3 < -2$ C. $2 > -3$ D. $-2 < -3$ E. $5 \neq 4$

Answer : _____

- ② On January 5th, Toronto's temperature dropped from -2°C by day to -10°C at night.

- a. What was the temperature change from day to night?

Answer : _____

- b. What was the temperature change from night to day?

Answer : _____

Remember the following rules :

a. $(+A) + (-B)$
 $= A - B$

b. $(+A) - (-B)$
 $= A + B$

c. $(-A) + (-B)$
 $= -(A + B)$

d. $(-A) - (-B)$
 $= -A + B$

