Exercise 1.8 (Integers and Number Line)

Q1. Draw the number line to represent the integers

(a) lesser than − 4,

(b)   greater than − 6 and less than 2

Q2. Given the integers − 8, 9, 20, 0, −9 and − 20, arrange the integers in ascending order;

Q3. At 9pm, the temperature was 2°C. By midnight, the temperature had dropped to -5°C.
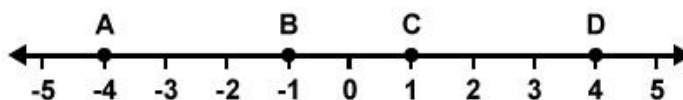
By how many degrees had the temperature fallen?

Q4. The temperature at midnight was -3°C. By 8am, it had risen by 6°C.

What was the temperature at 8am?

Q5. One morning, the temperature was 15° below zero. By noon, the temperature rose 30°

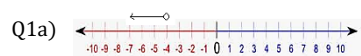and then dropped 6° by evening. What was the evening temperature?

Q6. If you add $-\dfrac{3}{4}$ and $-\dfrac{2}{8}$, where would your answer be on the number line below?

A, B, C or D.

Q7. Find the integer value from the given numbers. $\dfrac{3}{4}$, $\sqrt{4}$,   5.5, $\sqrt[3]{200}$

Answers: Exercise 1.8

Q1a)   Q1b)

Q2) $-20, -9, -8, 0, 20, 9$ Q3) 7   Q4) 3   Q5) 9   Q6) B   Q7) $\sqrt{4}$