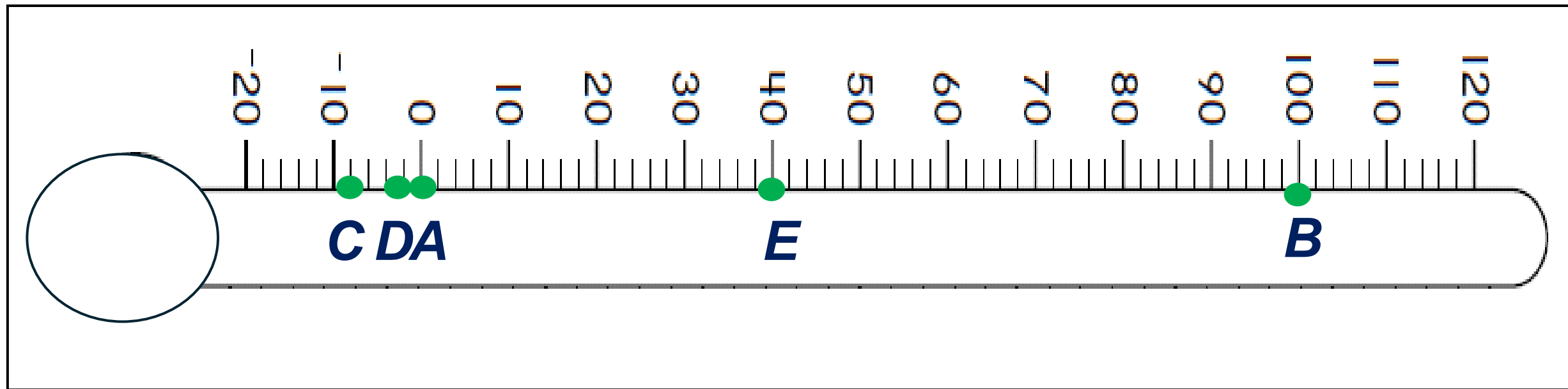


INTEGERS ON NUMBER LINE

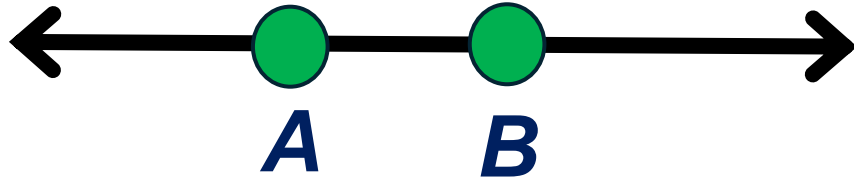


*To compare and order positive and negative numbers, we can use **the number line**.*

READ THE FOLLOWING SYMBOLS.

- $A < B$

A is less than B



- It means that
A is to the left of B

- $A > B$

A is greater than B



- It means that
A is to the right of B

RULES IN COMPARING INTEGERS

1) When comparing two positive integers, the integer with the bigger value is greater.

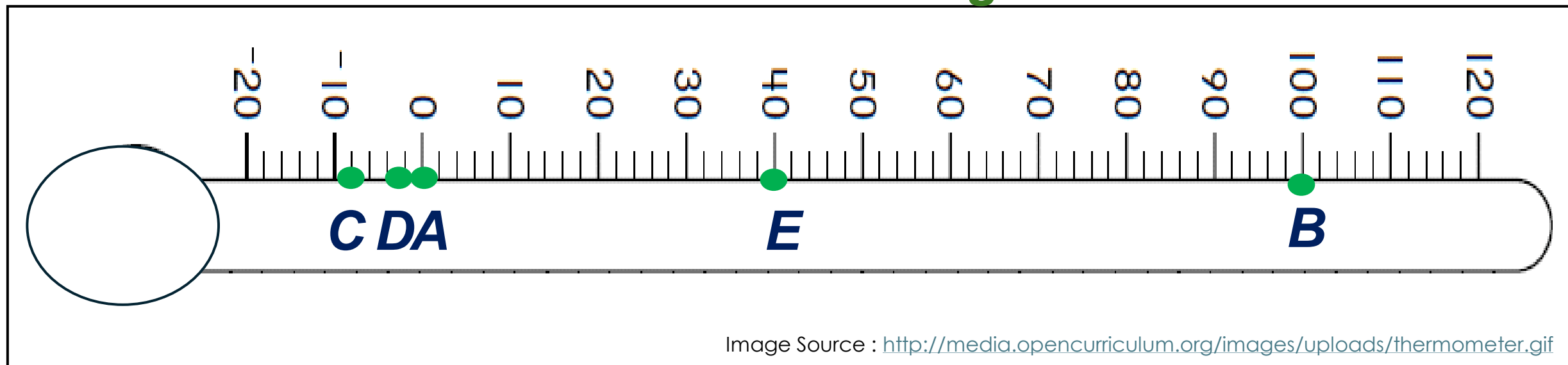
2) Positive integers is always greater than negative integers.

3) Zero is less than all positive integers.

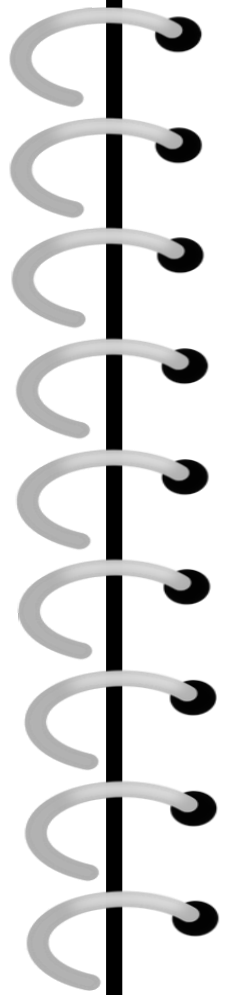
4) Zero is greater than all negative integers.

5) When comparing two negative integers, the integer that closer to zero (0) is greater.

ORDERING INTEGERS



QUESTION: How do we order integers using number line?



How do we order integers using number line?

- ***Increasing order (ascending order)***
 - *Least to greatest → start from left to right*
- ***Decreasing order (descending order)***
 - *Greatest to least ← start from right to left*

RULES IN ORDERING INTEGERS

When ordering integers on a number line:

- *If increasing or ascending order, start from left to right.*
- *If decreasing or descending order, start from right left.*

REMEMBER:

- **Negative Integers $< 0 < \text{Positive integers}$**
- **Positive integers $> 0 > \text{Negative Integers}$**