

①Example:

To which set(s) do each of these numbers belong?

-2  $\sqrt[3]{8}$   $\pi$   $\sqrt{2}$  0  $\frac{7}{3}$ 

- a. Natural
- b. Whole c. Integers
- d. Rational
- e. Irrational

2 Example:

Put each of the numbers above on this number line.

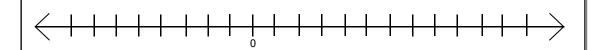
a< b means:

a > b means:

The distance between two points:

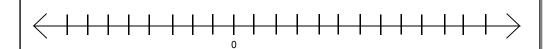


The opposite of a number:



The absolute value of a number:

$$|a| = a \text{ if } a \ge 0$$



- ③ Example: a) |-5| =

④ Example: Find the opposite of each number and the absolute value of each number.

- a) -32
- b) 17