

Check Your Readiness (A)

Do not use a calculator.

1

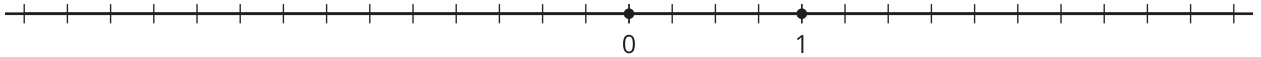
a. A dolphin is at the surface of the ocean. What is the dolphin's elevation?

b. The dolphin dives 20 feet below the surface of the ocean. What is its new elevation?

2

Place and label the following numbers on the number line.

-1 1.75 -1.75 -2 $-2\frac{1}{2}$ $-\frac{5}{2}$ $\frac{9}{4}$



3

Kiran says that $-2 < -5$. Do you agree with Kiran? Explain or show your reasoning.



4

- a. Put these numbers in order of their distance from 0 on the number line, starting with the smallest distance:

$$-26, -12.7, -\frac{9}{2}, \frac{2}{100}, 7, 11\frac{1}{4}, \frac{41}{2}, 35$$

- b. Find the values of $|-12.7|$ and $|11\frac{1}{4}|$.

5

- a. Andre received and spent money in the following ways last month. For each example, write a positive or negative number to represent the change in money from his perspective.

i. His uncle gave him \$25 as a present.

ii. He earned \$18 dollars tutoring.

iii. He spent \$10 on a book.

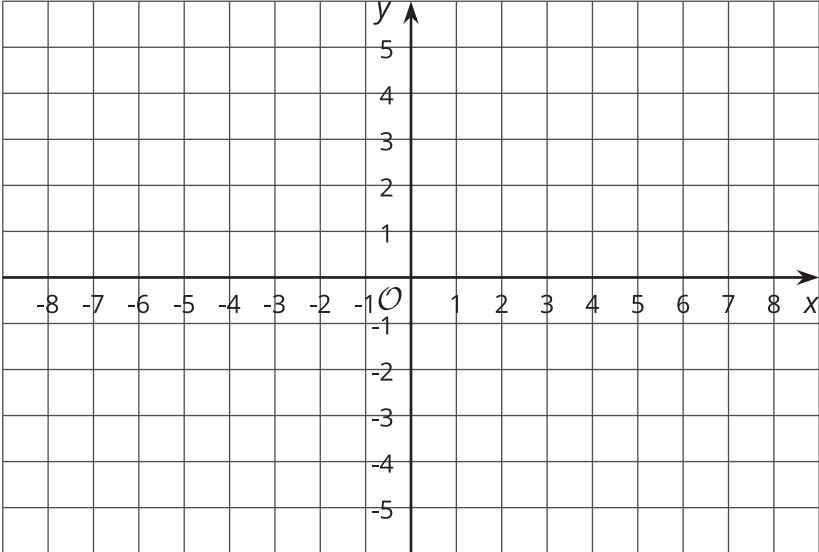
2. What does 0 mean in this situation?



6

a. Plot and label these four points in the coordinate plane.

$A(2, 3)$, $B(-2, 1)$, $C(4, -5)$, $D(-3, -5)$



b. Find the distance between C and D .

