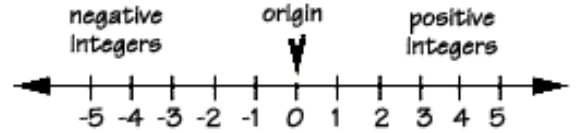
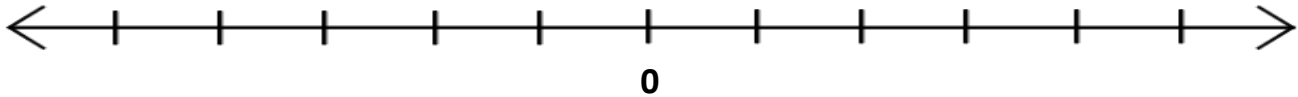


Integers (SOL 6.3 a & b)

- An integer is any number from the set $\{\dots, -4, -3, -2, -1, 0, 1, 2, 3, 4, \dots\}$ where ... means continues without end.
- Negative integers are integers _____ than zero.
- Positive integers are integers _____ than zero.
- _____ is neither negative nor positive. We call it the origin.



Number the number line from -5 to 5.



These numbers are **Integers**: 0; 3; -100; 432; 987,654,321; $\frac{10}{2}$; $-\frac{6}{3}$; $\frac{99}{9}$

These numbers are **not Integers**: 7.2, $\frac{10}{4}$, $-\frac{5}{8}$, -3.7

Write Integers for Real-Life Situations

a gain of 5 yards on the first down.

6 feet below sea level

a temperature of 10 degrees below zero.

a \$35 withdrawal

You Try! Underline key words

a. Lost 6 points

h. 5000 feet above sea level

b. 3 strokes below par

i. 7 inches below normal

c. \$5 deposit

j. \$5 off the original price

d. A loss of \$30

k. ascend 100 meters

e. descend 20 meters

l. 10 strokes above par

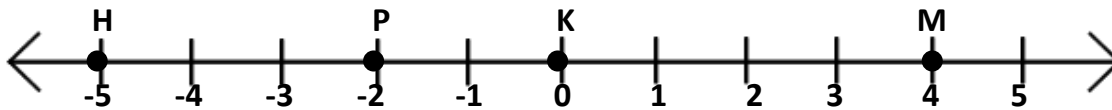
f. 12 centimeters longer

m. 6 yard loss

Write an integer to represent the situation below:

- 1) sea level _____ 2) a withdraw of 42 dollars _____
- 3) 14 degrees below 0 _____ 4) an increase in height of 3 inches _____

Write the letter value represented by the point for each letter. Then find its opposite value.



- 5) K _____ 6) H _____ 7) M _____ 8) P _____

Compare using $>$, $<$, or $=$

- 9) $-32 \bigcirc 14$ 10) $11 \bigcirc -4$ 11) $-9 \bigcirc \frac{27}{3}$ 12) $-10 \bigcirc -12$

Order the following from least to greatest (ascending order).

13) $-8, \frac{20}{2}, 2, -13, -5, \frac{6}{2}$ _____

14) $-22, -11, \frac{44}{4}, 0, -14, 22, -\frac{30}{3}$ _____

Order the following from greatest to least (descending order).

15) $-\frac{81}{9}, -19, 19, 99, -99, \frac{18}{2}$ _____