

**Q1. State whether the following statements are True or false:**

- a) The smallest natural no. is zero.
- b) Zero is not an integer as it is neither positive nor negative.
- c) The sum of two negative integers is always smaller than both the integers.
- d) Since  $5 > 3$ , therefore  $-5 > -3$ .

**Q2. Fill in the blanks to make the following statements true:**

- a) On the number line,  $-15$  is to the \_\_\_\_\_ of zero.
- b) On the number line,  $10$  is to the \_\_\_\_\_ of zero.
- c) The additive inverse of  $-1$  is \_\_\_\_\_.
- d)  $(-11) + (-2) + (-1) =$

**Q3. Write two integers whose sum is  $6$  and difference is also  $6$ .**

**Q4.** The temperature is  $-5^{\circ}\text{C}$  now. What will be the temperature after a rise of  $7^{\circ}\text{C}$ ?

**Q5.** Identify the given numbers are integers or not.

(a)  $-2/ 5$

(b)  $121 /11$

(c) $-1$

(d) $- 66$

(e)  $30.5$

(f)  $0$

**Q7.** Represent the following using integers.

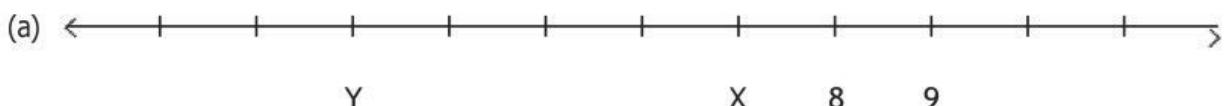
(a) A loss of  $10$  kg in weight

(b) An increase of  $8\%$  in price

(c) A fall of  $20^{\circ}\text{C}$  in temperature

(d) A profit of `50

### Q8. Fill in the blanks



(i) On jumping 8 units to the left from X, we land at .

(ii) To reach 11 from Y, we need to jump  units to the  (left/right) from Y.

(iii) If we reached Y by jumping 7 units to the left, we started at .