

Work Sheet Solution
Date 09/08/2020

1.

- (a) The opposite of increase in weight is decrease in weight
- (b) The opposite of 30 km north is 30 km south
- (c) The opposite of 80 m east is 80 m west
- (d) The opposite of loss of Tk. 700 is gain of Tk. 700
- (e) The opposite of 100 m above sea level is 100 m below sea level

2.

- (a) + 2000 m
- (b) - 800 m
- (c) + 200
- (d) - 700

3.

- (a) -6, -5, -4, -3, -2, -1 are the integers between 0 and -7
- (b) -3, -2, -1, 0, 1, 2, 3 are the integers between -4 and 4
- (c) -14, -13, -12, -11, -10, -9 are the integers between -8 and -15
- (d) -29, -28, -27, -26, -25, -24 are the integers between -30 and -23

4.

- (a) -19, -18, -17, -16 are the integers greater than -20
- (b) -11, -12, -13, -14 are the integers less than -10

5. (a)

True as $(-8 > -10)$

(b) False.

Correct Statement: (-50 is greater than -100). Hence, -100 lies to the left of -50 on the number line

(c) False.

Correct Statement: -1 is the greater negative integer.

(d) False.

Correct Statement: -26 is smaller than -25

6.Solutions:

- (a) 9 lies to the right on the number line $(9 > 2)$
- (b) - 3 lies to the right on the number line $(- 3 > - 8)$
- (c) 0 lies to the right on the number line $(0 > -1)$
- (d) 10 lies to the right on the number line $(10 > -11)$
- (e) 6 lies to the right on the number line $(6 > -6)$
- (f) 1 lies to the right on the number line $(1 > -100)$

