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Class 06 Sub-.Maths

Date 27.07.2020

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1. Write opposites of the following:

- (a) Increase in weight
- (b) 30 km north
- (c) 80 m east
- (d) Loss of Rs 700
- (e) 100 m above sea level

Solutions:

- (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 Rs 700 is gain of Rs 700
- (e) The opposite of 100 m above sea level is 100 m below sea level

2. Represent the following numbers as integers with appropriate signs.

- (a) An aeroplane is flying at a height two thousand metre above the ground.
- (b) A submarine is moving at a depth, eight hundred metre below the sea level.
- (c) A deposit of rupees two hundred.
- (d) Withdrawal of rupees seven hundred.

Solutions:

- (a) + 2000 m
- (b) – 800 m

(c) + Rs 200

(d) – Rs 700

3. Represent the following numbers on a number line:

(a) + 5

(b) – 10

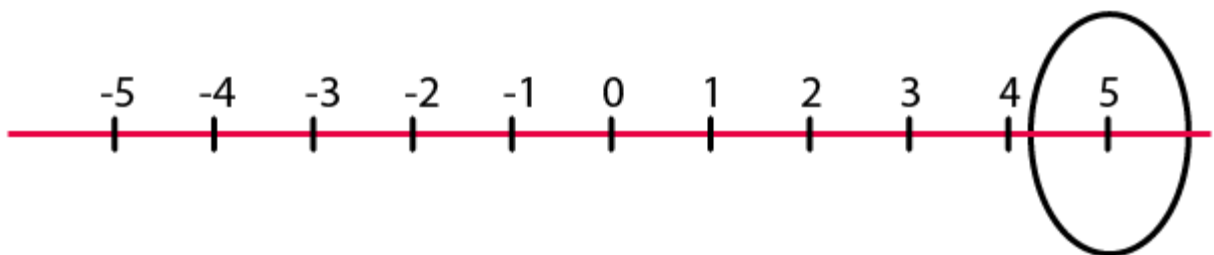
(c) + 8

(d) – 1

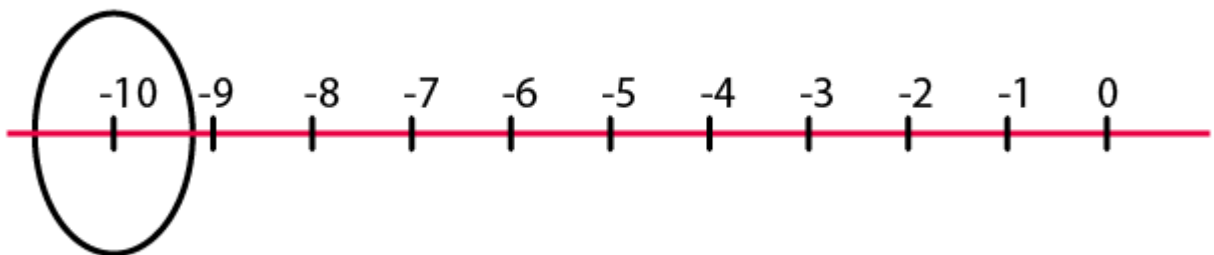
(e) – 6

Solutions:

(a) + 5



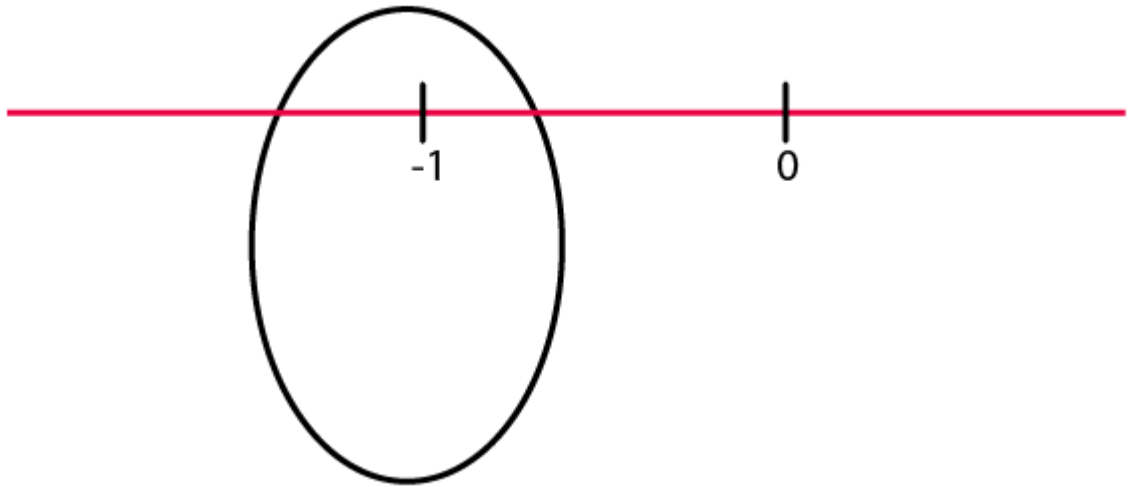
(b) – 10



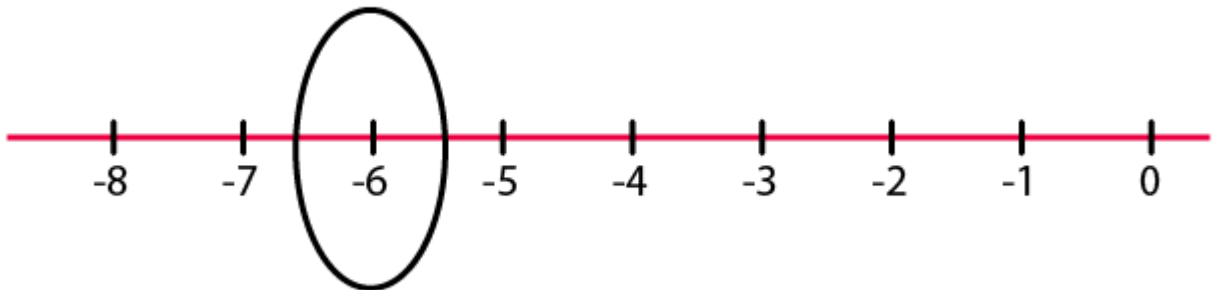
(c) + 8



(d) -1

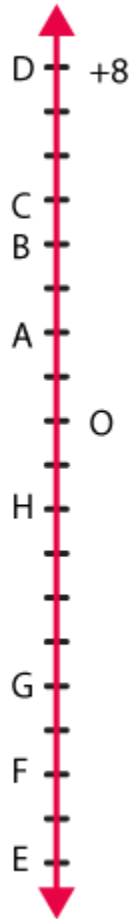


(e) -6



4. Adjacent figure is a vertical number line, representing integers. Observe it and locate the following points:

- (a) If point D is + 8, then which point is – 8?
- (b) Is point G a negative integer or a positive integer?
- (c) Write integers for points B and E.
- (d) Which point marked on this number line has the least value?
- (e) Arrange all the points in decreasing order of value.



Solutions:

- (a) If point D is +8, then point F is -8
- (b) Point G is a negative integer
- (c) Point B is 4 and point E is – 10
- (d) The least value on this number line is point E as it represents – 10
- (e) The points in decreasing order of value are D, C, B, A, O, H, G, F, E