

SUBJECT : MATHEMATICS**CHAPTER : 1 (INTEGERS)****HOT'S QUESTIONS**

Q(1). Choose the pair/pairs of integers which are additive inverse to each other.

- (a) $(-15, 15)$ (b) $(3, 0)$ (c) $(102, -102)$ (d) both option (a) and (c)

Q(2). Choose the correct option :

Statement 1 : "All the whole numbers are natural numbers."

Statement 2 : "All the integers are not natural numbers."

- (a) Statement 1 is TRUE but Statement 2 is FALSE (b) Statement 1 is FALSE but Statement 2 is TRUE
(c) Both are TRUE (d) Both are FALSE

Read the instructions carefully and answer Q(3) & Q(4).

Suppose you have a certain integer say, 'a'. After multiplying that integer by a certain number you have got the same integer 'a' back.
Q(3). Can you identify the integer by which you have multiplied 'a' ?

- (a) $-a$ (b) 0 (c) 1 (d) none of these

Q(4). The above identified integer is also known as

- (a) additive inverse (b) additive identity (c) multiplicative inverse (d) multiplicative identity

Q(5). When you can get difference of any two integers is zero ?

- (a) when they are additive inverse to each other
(b) when the two integers are same
(c) when one integer is additive identity and another is multiplicative identity
(d) can't be determined

Q(6). Commutative property doesn't hold for

- (a) subtraction and multiplication (b) addition and division
(c) multiplication and addition (d) subtraction and division

Q(7). Choose the correct option : "A negative and a positive integer whose difference is -25 ."

- (a) $(-75, +50)$ (b) $(-20, +5)$ (c) $(-25, +50)$ (d) $(0, +25)$

Q(8). Simplify : $[0 \div (-189)] \div [2 \div (-2)]$

- (a) undefined (b) -2 (c) 1 (d) 0