

CLASS VII
ASSIGNMENT NO.1
MATHEMATICS
INTEGERS

Formative Assessment-2

Q1) If the integers 12, -6, 8, -5, 7, -4, 3 are marked on the number line, the one that comes on the extreme left is:

- a) 12 b) -4 c) -6 d) 3

Q2) The difference in temperatures $+50^{\circ}\text{C}$ and -50°C is:

- a) 100°C b) 0°C c) 50°C d) -100°C

Q3) The integer x for which $|1-x|=3$ is:

- a) 3, 0 b) 4, 2 c) -2, 3 d) 4, -2

Q4) The numbers between -30 and -15 are :

- a) 14 b) 15 c) 16 d) 17

Q5) Multiplicative identity for any integer a is:

- a) 0 b) 1 c) a d) $\frac{1}{a}$

Q6) Represent each of the following integers on the number line:

3 -1, 5, -4, 8, -10

Q7) The sum of two integers is (-11) . If one of them is 72, find the other number.

Q8) Using quicker grouping, find the product of :

- (a) $16 \times 20 \times (-25)$ (b) $(-125) \times 17 \times (-8)$ (c) $(-50) \times (-41) \times 12$
(d) $(-25) \times 36 \times 80$ (e) $(-700) \times 49 + (-700)$
(f) $(-562) \times 96 + (-562) \times 4$

Q9) Using suitable properties, find the value of :

- (a) -58×104 (b) $(-279) \times 1001$ (c) $36 \times (-99)$
(d) $(-73) \times 8 + 73 \times (-92)$ (e) $517 \times (-36) + 517 \times (-64)$

Q10) Divide: (a) $(-525) \div (-25)$ (b) $(-512) \div 32$ (c) $2352 \div (-42)$
(d) $(-3128) \div 34$

Q11) Fill in the blanks:

- (a) $450 \times 0 =$ _____ (b) $450 \times (-1) =$ _____ (c) $(-450) \times 1 =$ _____
(d) $(-450) \times (-1) =$ _____ (e) $0 \div (-20) =$ _____ (f) $(-20) \div 1 =$ _____
(g) $(-20) \div (-1) =$ _____ (h) $20 \div (-1) =$ _____ (i) $(-20) \div (-1) =$ _____

Q12) The product of two integers is (-840) . If one of them is (-70) , find the other.

Q13) Simplify the following:

- (a) $120 \div [18 - \{20 - 3(9-5)\}]$ (b) $64 \div [16 \times (-3) - 2 \times \{17 - 25\}]$

Q14) Find the value of : (a) $|-15|$ (b) $-|-20|$ (c) $-50 + |-2|$

- (d) $18 - |-36|$ (e) $46 - |-5| - |-6|$

Q15) Write : (a) Additive inverse of 0 (b) Additive inverse of 15

(c) Additive inverse of -36.

Q16) By how much does 2 exceed (-5) ?

Q17) The product of three integers is (-85) . If the two integers are (-17) and (-5) , find the third.

Q18) Raghu has 30 marbles. In 5 games he won 3 marbles each and in 7 games he lost 2 marbles each. Find the marbles he has at the end of the games.

Q19) Name 4 real life situations in which integers can be used.