

ST. MICHAEL'S SCHOOL, MURI

HOME ASSIGNMENT

For Std.: VII

Sub: Mathematics

CHAPTER - I (Integers)

Integers : A whole number from zero to positive or negative infinity

Eg: -00, -5, -4, -3, -2, -1, 0, 1, 2, 3, 4, 5, 6 ...

Example : Add (+): a) $5 + 4 = ?$ b) $-2 + (-4)$ c) $8 + (-10)$ d) $-3 + 8$
Solution: 9 Sol: -6 Sol: -2 Sol: 5

Question: 1 Solve :

a) $7 + 3$ b) $-12 + (-13)$ c) $-10 + 12$ d) $8 + (-15)$

Additive Inverse : Additive inverse of any number

a is $(-a)$ and $(-a)$ is a

Example : Additive inverse of 5 is -5 and -7 is 7

Question: 2 Find additive inverse of (a) -25 (b) 17

Example : Verify $a - (-b) = a + b$ for the following value of a & b:

(a) $a = 25$ (b) $b = 12$

Solution : $a - (-b) = a + b$
 $25 - (-12) = 25 + 12$
 $25 + 12 = 25 + 12$
 $37 = 37$

Question: 3 Verify $a - (-b) = a + b$ for the following value of a and b :-

a) $a = 15, b = 10$ b) $a = 13, b = 12$
c) $a = 5, b = 8$ d) $a = 20, b = 17$

Question: 4 : Find the product

a) -3×7 b) -10×-5 c) -12×-12 d) -15×13

Example : a) 5×-7 b) -8×-5

Solution : -35 Solution: 40

Question: 5 Verify $a \times (b+c) = (a \times b) + (a \times c)$ for the following value of a, b and c.

a) $a = 5, b = 3, c = 4$

Solution : $a \times (b+c) = (a \times b) + (a \times c)$
 $5 \times (3+4) = (5 \times 3) + (5 \times 4)$
 $5 \times 7 = 15 + 20$
 $35 = 35$

b) $a = 6, b = 7, c = 10$

c) $a = 3, b = 8, c = 12$

d) $a = 4, b = 6, c = 8$

CHAPTER - 2

FRACTIONS AND DECIMALS