Exercise 3D

Q13

Answer :

Number of student in 1 section = 45

Number of students in 6 sections = 45 × 6 = 270

Monthly charges from 1 student = Rs 1650

∴ Total monthly collection from class VI = Rs 1650 × 270 = Rs 4,45,500

Q14

Answer :

If the product of two whole numbers is zero, then one of them is definitely zero.
Example: 0 × 2 = 0 and 0 × 15 = 0

If the product of whole numbers is zero, then both of them may be zero.
i.e., 0 × 0 = 0

Now, 2 × 5 = 10. Here, the product will be non-zero because the numbers to be multiplied are not equal to zero.

Q15

Answer :

(i) Sum of two odd numbers is an even number. Example: 3 + 5 = 8, which is an even number.

(ii) Product of two odd numbers is an odd number. Example: 5 × 7 = 35, which is an odd number.

(iii) $a \neq 0$ and $a \times a = a$

Given: $a \times a = a$

$\Rightarrow a = \frac{a}{a} = 1, a \neq 0$

********** END *********