CW
30.6.21

Date
Page 146

Exercise - 9(B)

1. Fill in the blanks :-

i) On dividing 9 by 7, quotient = 1 and remainder = 2

ii) On dividing 18 by 6, quotient = 3 and remainder = 0

iii) Factor of a no. is exact divisor of the number.

iv) Every no. is a factor of itself.

v) Every no. is a multiple of itself.

vi) 1 is factor of every no.

vii) For every no., its factors are finite and its multiples are infinite.

viii) x is a factor of y, the y is a multiple of x.

2. Write all the factors of :

i) 16 : 1, 2, 4, 8, 16
ii) 21 : 1, 3, 7, 21
iii) 39 : 1, 3, 13, 39.
iv) 48 : 1, 2, 3, 4, 6, 8, 12, 16, 24, 48.
v) 64 : 1, 2, 4, 8, 16, 32, 64.
vi) 98 : 1, 2, 7, 14, 49, 98.

3. Write the first six multiples of :

i) 4 = 4, 8, 12, 16, 20, 24.
ii) 9 = 9, 18, 27, 36, 45, 54.
iii) 11 = 11, 22, 33, 44, 55, 66.
iv) 15 = 15, 30, 45, 60, 75, 90.
v) 18 = 18, 36, 54, 72, 90, 108.
vi) 16 = 16, 32, 48, 64, 80, 96.

4. Product of two no.s is 36 and their sum is 13. Find the no.s.

Ans- Factors of 36, ⇒ 1 x 36
2 x 18
3 x 12
4 x 9
6 x 6

The sum of 4 and 9 is 13.

So, the required no.s are 4 and 9.

5. The product of two no.s is 48 and their sum is 16. Find

Ans- Factors of 48 → 1 x 48 4 x 12
2 x 24 6 x 8.
3 x 16

The sum of 4 and 12 is 16.
So, the required no.s are 4 and 12.

6. Write two no.s which differ by 3 and whose product is 54.