

Ex - 9 (c)

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 number is an exact divisor  
of that number.

(iv) Every number is a factor of  
itself.

(v) Every number is a multiple of itself.

(vi) one is factor of every  
number.

(vii) for every number, its factors  
are finite and its multiples are  
infinite.

(iii)  $x$  is a factor of  $y$ , then  $y$  is a multiple of  $x$ .

2. write all the factors of :-

(i) 16

Ans - 1, 2, 4, 8 and 16

(ii) 21

Ans - 1, 3, 7 and 21

(iii) 39

Ans - 1, 3, 13, 39

(iv) 48

Ans - 1, 2, 3, 4, 6, 8, 12, 16, 24, 48

(v) 64

Ans - 1, 2, 4, 8, 16, 32, 64

(vi) 98

Ans - 1, 2, 7, 14, 49, 98

(3) write all the factors of :-

(i) 24

Ans - 1, 2, 3, 4, 6, 8, 12, 16, 20, 24

(ii) 36

Ans - 1, 2, 3, 4, 6, 9, 12, 18, 36

(iii) 11

Ans - 1, 11

(iv) 15

Ans - 1, 3, 5, 15

(v) 18

Ans - 1, 2, 3, 6, 9, 18

(4) the product of two numbers is 36 and their sum is 13. find the numbers.

since,  $36 = 1 \times 36, 2 \times 18, 3 \times 12, 4 \times 9, 6 \times 6$

clearly numbers are 4 and 9 as  $4 \times 9 = 36 = 36$  and  $4 + 9 = 13$ .

(5) The product of two numbers is 48 and their sum is 16. Find the numbers.

Ans -  $12 \times 4 = 48$

(6) write two numbers which differ by 3 and <sup>w</sup> whose product is 54.

Ans -  $6 \times 9 = 54$

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