

Ex-10 (A)

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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 division
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.

(viii) 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) ~~16~~ 4

Ans - 1, 2, 4, 8, 16

(ii) ~~36~~ 9

Ans - 1, 3, 9, 27, 81

(iii) ~~110~~ 11

Ans - 1, 11, 22, 33, 44, 55, 66, 77, 88, 99, 110

(iv) 15

Ans - 1, 3, 5, 15, 30, 45, 60, 75, 90, 135, 180, 225, 270, 315, 360, 405, 450, 540, 675, 810, 945, 1080, 1350, 1620, 1890, 2025, 2160, 2700, 3240, 3645, 4050, 4860, 5400, 6480, 7290, 8100, 9720, 10800

(v) 18

Ans - 1, 2, 3, 6, 9, 18, 27, 36, 54, 72, 108, 162, 216, 270, 324, 405, 540, 648, 810, 1080, 1620, 2160, 2700, 3240, 4050, 5400, 6480, 8100, 10800

(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 ^w whose product is 54.

Ans - $6 \times 9 = 54$

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