

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 ^{divisor} exact $\frac{1}{n}$ of the no.

iv) Every number is a factor of itself.

v) Every number is a multiple of itself and 1.

vi) 1 is the factor of every no.

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

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

Q4. The product of 2 nos. is 36 and their sum is 13. Find the numbers.

ans- $36 = 12 \times 3$
 $36 = \boxed{4 \times 9} \rightarrow 13 (4 + 9)$
 $36 = 6 \times 6$
 $36 = 2 \times 18$

Q6. Write 2 nos. which differs by 3 and whose product is 54.

ans- $54 = 2 \times 27$
 $54 = \boxed{6 \times 9} \rightarrow 3 (9 - 6)$

~~HW~~
30.6.21

Q2. Write all the factors

- 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, 24, 48
- v) 64 - 1, 2, 4, 8, 16, 32, 64
- vi) 98 - 1, 2, 7, 14, 49, 98

Q3. first six multiples.

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) 18¹⁸ = 18, 36, 54, 72, 90, 108

vi) 16 = 16, 32, 48, 64, ~~80~~, ~~96~~

Q5. Product of 2 nos. is 48 and sum is 16.
Find the numbers.

ans. 1 x 48

2 x 24

3 x 16

4 x 12 → 4 + 12 = 16