

Evaluation Question Ex-9(B)

① Fill in the blanks:

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

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

iii) Factor of a number is exact divisor of the number.

iv) Every number is a factor of itself.

v) Every number is a multiple ~~of itself~~ of itself.

vi) 1 is a 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, 16

ii) 21

Ans 1, 3, 7, 21

iii) 39

Ans 1, 3, 13, 39

iv) 48

Ans 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

Ans 4, 8, 12, 16, 20, 24

ii) 9

Ans 9, 18, 27, 36, 45, 54

iii) 11

Ans 11, 22, 33, 44, 55, 66

iv) 15

Ans 15, 30, 45, 60, 75, 90

v) 18

Ans 18, 36, 54, 72, 90, 108

vi) 16

Ans 16, 32, 48, 64, 80, 96

④ The product of two numbers is 36 and their sum is 13. Find the numbers.

Ans Since $\rightarrow 36 \Rightarrow 1 \times 36$

2×18
 3×12
 4×9
 6×6

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

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

Ans Since $= 1 \times 48$

2×24
 4×12
 8×6
 16×3

$$4 + 12 = 16$$

$$4 \times 12 = 48$$

\therefore Therefore the no.s are 4 and 12.