

30-6-21
CW

EXERCISE = 9 B

Evaluation Questions

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 exact divisor of the number.
- iv) Every number is a factor of itself.
- v) Every number is a multiple of itself.
- vi) 1 is factor of every number.
- vii) For every number, its factors are finite and its multiples are infinite.
- viii) ~~Q~~ X is a factor of Y, then Y is a multiple of X.

Q

i) 16

A: $16 = 1, 2, 4, 8, 16$

ii) 21

A: $21 = 1, 3, 7, 21$

iii) 39

A: $39 = 1, 3, 13, 39$

iv) 48

A: $48 = 1, 2, 3, 4, 6, 8, 12, 16, 24$ and 48.

v) 64

A: $64 = 1, 2, 4, 8, 16, 32$ and 64

vi) 98

A: $98 = 1, 2, 7, 14, 49$ and 98

3. Multiples

i) 4

A: 4 = 4, 8, 12, 16, 20, 24

ii) 21

A: 21 = 21, 42, 63, 84, 105, 126

iii) 11

A: 11 = 11, 22, 33, 44, 55, 66

iv) 15

A: 15 = 15, 30, 45, 60, 75, 90

v) 18

A: 18 = 18, 36, 54, 72, 90, 108

vi) 16

A: 16 = 16, 32, 48, 64, 80, 96

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

A: Since, $36 = 1 \times 36, 2 \times 18, 3 \times 12, 4 \times 9, 6 \times 6$
Clearly numbers are 4 and 9 as, $4 \times 9 = 36$
and $4 + 9 = 13$.

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

A: Sum of 4 and 12 is 16. Therefore, the numbers are 4 and 12.