

EXERCISE - 9 (B)

1. Fill in the blanks :

i) On dividing 9 by 7, quotient = 1 and remainder = 3.

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

iii) Factor of a number is an exact division of the 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 — 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, 16, 24, 48

v) $64 - 1, 2, 4, 8, 12, 16, 24, 48$

vi) $98 - 1, 2, 7, 14, 49, 98$

3. Write the first six multiples of :

i) 4 $1 \times 4 = 4$

$2 \times 4 = 8$

$3 \times 4 = 12$

$4 \times 4 = 16$

$5 \times 4 = 20$

$6 \times 4 = 24$

ii) 9 $1 \times 9 = 9$

$2 \times 9 = 18$

$3 \times 9 = 27$

$4 \times 9 = 36$

$5 \times 9 = 45$

$6 \times 9 = 54$

iii) 11 $1 \times 11 = 11$

$2 \times 11 = 22$

$3 \times 11 = 33$

$4 \times 11 = 44$

$5 \times 11 = 55$

$6 \times 11 = 66$

iv) 15 $1 \times 15 = 15$

$2 \times 15 = 30$

$3 \times 15 = 45$

$4 \times 15 = 60$

$5 \times 15 = 75$

$6 \times 15 = 90$

v) 18

$$1 \times 18 = 18$$

$$2 \times 18 = 36$$

$$3 \times 18 = 54$$

$$4 \times 18 = 72$$

$$5 \times 18 = 90$$

$$6 \times 18 = 108$$

vi) 16

$$1 \times 16 = 16$$

$$2 \times 16 = 32$$

$$3 \times 16 = 48$$

$$4 \times 16 = 64$$

$$5 \times 16 = 80$$

$$6 \times 16 = 96$$

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

$$36 = 1 \times 36$$

$$2 \times 18$$

$$3 \times 12$$

$$4 \times 9$$

$$6 \times 6$$

Sum of two numbers is 13
Therefore the numbers are 4 and 9.

5. The product of 2 numbers is 48 and their sum is 16. Find the numbers.

$$48 = 1 \times 48$$

$$2 \times 24$$

$$3 \times 16$$

$$4 \times 12$$

$$6 \times 8$$

The sum of 2 numbers is 16.
Therefore the numbers are
4 and 12.