

15 - 1

= 14

### EX-9B

i. On dividing 9 by 7 quotient = 1

& remainder = 2

ii. On dividing 18 by 6 quotient =

3 & remainder = 0

iii. Factor of a number is exact of division

that number

iv. Every number's factor of itself

v Every number is a multiple of itself

vi 1 is a factor of every number

vii For every number, its factors are finite and its multiple is infinite

viii X is factor of Y then Y is multiple of X

~~2.1 16 is 1, 2, 4, 8, 16~~

~~24~~

2.1  $16 \times 1 = 16$

$8 \times 2 = 16$

$4 \times 4 = 16$

$2 \times 8 = 16$

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

2.1  $21 \div 1 = 21$

$$7 \times 3 = 21$$

$$3 \times 7 = 21$$

$$21 - 1, 3, 7, 21$$

$$\text{iii } 39 \times 1 = 39$$

$$13 \times 3 = 39$$

$$3 \times 13 = 39$$

$$39 - 1, 3, 13, 39$$

$$\text{iv } 48 = 48 \times 1 = 48$$

$$24 \times 2 = 48$$

$$16 \times 3 = 48$$

$$12 \times 4 = 48$$

$$8 \times 6 = 48$$

$$6 \times 8 = 48$$

$$4 \times 12 = 48$$

$$3 \times 16 = 48$$

$$2 \times 24 = 48$$

∴ All factors of 48 are

$$48 - 1, 2, 3, 4, 6,$$



4) 64

All factors of 64 are

64 - 1, 2, 4, 8, 16, 32, 64

98 - 1, 2, 7, 14, 49, 98

3) 4 - 4, 8, 12, 16, 20, 24

$$4 \times 1 = 4$$

$$4 \times 2 = 8$$

$$4 \times 3 = 12$$

$$4 \times 4 = 16$$

$$4 \times 5 = 20$$

$$4 \times 6 = 24$$

ii)  $9 \times 1 = 9$

$$9 \times 2 = 18$$

$$9 \times 3 = 27$$

$$9 \times 4 = 36$$

$$9 \times 5 = 45$$

$$9 \times 6 = 54$$

iii)  $11 \times 1 = 11$

$$11 \times 2 = 22$$

$$7 \times 3 = 33$$

$$11 \times 4 = 44$$

$$11 \times 5 = 55$$

$$11 \times 6 = 66$$

iv)  $15 \times 1 = 15$

$$15 \times 2 = 30$$

$$15 \times 3 = 45$$

$$15 \times 4 = 60$$

$$15 \times 5 = 75$$

$$15 \times 6 = 90$$

v)  $18 \times 1 = 18$

$$18 \times 2 = 36$$

$$18 \times 3 = 54$$

$$18 \times 4 = 72$$

$$18 \times 5 = 90$$

$$18 \times 6 = 108$$

vi)  $16 \times 1 = 16$

$$16 \times 2 = 32$$

$$16 \times 3 = 48$$

$$16 \times 4 = 64$$

$$16 \times 5 = 80$$

$$16 \times 6 = 96$$



4.  $36 = 36 \times 1 = 36$

$18 \times 2 = 36$

$12 \times 3 = 36$

$6 \times 6 = 36$

$9 \times 4 = 36$

$4 \times 9 = 36$

$3 \times 12 = 36$

∴ Numbers are 4, 9

~~Ans~~  $4 \times 9 = 36$

$4 + 9 = 13$

5.  $48 = 48 \times 1 = 48$

~~24~~  $24 \times 2 = 48$

~~12~~  $12 \times 4 = 48$

$16 \times 3 = 48$

$8 \times 6 = 48$

∴ Numbers are 12 and 4

$12 \times 4 = 48$

$12 \times 4 = 48$