

EX-9(B)

- 1) On dividing 9 by 7, quotient = 1 and remainder = 2
- ii) On dividing 18 by 6, quotient = 3 and remainder = 0
- iii) Factors of a number is an extra division of the number 1 and itself
- iv) Every number is factor of itself
- v) Every number is 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  $x$

### Factors

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

ii)  $21 = 1, 3, 7, 21$

iii)  $39 = 1, 3, 13, 39$

iv)  $48 = 1, 2, 3, 4, 6, 8, 12, 16, 24, 48$

v)  $64 = 1, 2, 4, 8, 16, 32, 64$

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

### First Six multiple.

3) i)  $4 \times 1 = 4$   
 $4 \times 2 = 8$   
 $4 \times 3 = 12$   
 $4 \times 4 = 16$   
 $4 \times 5 = 20$   
 $4 \times 6 = 24$

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)  $11 \times 1 = 11$   
 $11 \times 2 = 22$   
 $11 \times 3 = 33$   
 $11 \times 4 = 44$   
 $11 \times 5 = 55$   
 $11 \times 6 = 66$

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)  $16 \times 1 = 16$   
 $16 \times 2 = 32$   
 $16 \times 3 = 48$   
 $16 \times 4 = 64$   
 $16 \times 5 = 80$   
 $16 \times 6 = 96$

vi)  $18 \times 1 = 18$   
 $18 \times 2 = 36$   
 $18 \times 3 = 54$   
 $18 \times 4 = 72$   
 $18 \times 5 = 90$   
 $18 \times 6 = 108$

4) Factors of 36 = 1, 2, 3, 4, 6, 9, 12, 18 and 36

$$1 \times 36 = 36$$

$$2 \times 18 = 36$$

$$3 \times 12 = 36$$

$$4 \times 9 = 36$$

$$= (4 + 9 = 13)$$

5) Factors of 48 = 1, 2, 3, 4, 6, 8, 12, 16, 24 and 48

$$1 \times 48 = 48$$

$$2 \times 24 = 48$$

$$3 \times 16 = 48$$

$$4 \times 12 = 48$$

$$= (4 + 12 = 16)$$