

$$(i) \quad 1600 + 8$$

$$= 8 \times (7000 + 1)$$

$$= 8 \times 7001$$

$$(ii) \quad 56008$$

$$= 86000 + 8$$

$$= 8 \times (7000 + 1)$$

$$= 8 \times 7001$$

$$(iii) \quad 240000 + 8$$

$$= 8 \times (30000 + 1)$$

$$= 8 \times 30001$$

$$\hat{=} 23 \times 100001$$

$$(a) 10111$$

$$= 11000 + 11$$

$$= 11 \times (1000 + 1)$$

$$= 11 \times 1001$$

$$(ii) 110011$$

$$= 110000 + 11$$

$$= 11 \times (10000 + 1)$$

$$= 11 \times 1001$$

$$(iii) 11000000 + 11$$

$$= 11 \times (1000000 + 1)$$

$$= 11 \times 1000001$$

(6) 54 can be written as

$$1 \times 54 = 54$$

$$2 \times 27 = 54$$

$$3 \times 18 = 54$$

$$6 \times 9 = 54$$

(7) 7007

$$= 7 \times (1000 + 1)$$

$$= 7 \times 1001$$

(8) Give

$$2300023$$

This can be written as

$$= 2300000 + 23$$

$$= 23 \times (100000 + 1)$$

36 can be written as

$$1 \times 36 = 36$$

$$2 \times 18 = 36$$

$$3 \times 12 = 36$$

$$4 \times 9 = 36$$

$$6 \times 6 = 36$$

Q2 48 can be written as

$$1 \times 48 = 48$$

$$2 \times 24 = 48$$

$$3 \times 16 = 48$$

$$4 \times 12 = 48$$

$$6 \times 8 = 48$$

$$5 \times 18 = 90$$

(18)

$$1 \times 18 = 18$$

$$2 \times 18 = 36$$

$$3 \times 18 = 54$$

$$4 \times 18 = 72$$

$$5 \times 18 = 90$$

$$6 \times 18 = 108$$

$$(16) \quad 1 \times 16 = 16$$

$$2 \times 16 = 32$$

$$3 \times 16 = 48$$

$$4 \times 16 = 64$$

$$5 \times 16 = 80$$

$$6 \times 16 = 96$$

11

$$1 \times 11 = 11$$

$$2 \times 11 = 22$$

$$3 \times 11 = 33$$

$$4 \times 11 = 44$$

$$5 \times 11 = 55$$

$$6 \times 11 = 66$$

(15)

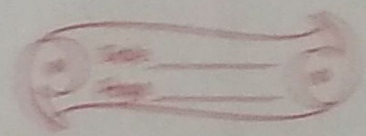
$$1 \times 15 = 15$$

$$2 \times 15 = 30$$

$$3 \times 15 = 45$$

$$4 \times 15 = 60$$

$$5 \times 15 = 75$$



(3) $1 \times 4 = 4$

$2 \times 4 = 8$

$3 \times 4 = 12$

$4 \times 4 = 16$

$5 \times 4 = 20$

$6 \times 4 = 24$

(ii) (9)

$1 \times 9 = 9$

$2 \times 9 = 18$

$3 \times 9 = 27$

$4 \times 9 = 36$

$5 \times 9 = 45$

$6 \times 9 = 54$

16

All factors of 16 are: 1, 2, 4, 8, 16

21

All factors of 21 are: 1, 3, 7, 21

30

All factors of 30 are: 1, 3, 13, 30

~~30~~ 48

All factors of 48 are

1, 2, 3, 4, 6, 8, 12, 16, 24, 48

(64)

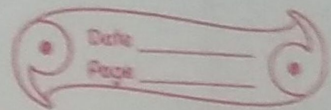
All factors of 64 are: 1, 2, 4, 8, 16

32, 64

98

All factors of 98 are: 1, 2, 7, 14, 49, 98

Exercise 9(B)



Fill in blanks:

- (i) On dividing a by 7 , quotient 1
and remainder = 2
- (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) ~~(iv)~~ Every number is a factor of itself
- (vi) ~~(v)~~ ~~Every number~~ is a multiple of one
is factor of every number
- (vii) For every number, its factors are finite
and its multiples are infinite