10(i) 1600+8

= 8 x (7000+1)

= 8 x 7001

(ii) 56008

= 56000+8

= 8 x (7000+1)

= 8 x 7001

(iii) 240000+8

= 8 x (300000+1)

= 8 x 30001

$= 23 \times 100001$

(g) 10111

$= 11000 + 7$

$= 11 \times (1000 + 1)$

$= 11 \times 1001$

(ii) 11011

$110000 + 11$

$= 11 \times (10000 + 1)$

$= 11 \times 1001$

(iii) $11000000 + 11$

$= 11 \times (10000000 + 1)$

$= 11 \times 1000001$

(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) Given

2300023

This can be written as.

$= 2300000 + 23$

$= 23 \times (100000 + 1)$

36 can be written as

$1 \times 36 = 36$

$2 \times 18 = 36$

$3 \times 12 = 36$

$4 \times 9 = 36$

$6 \times 6 = 36$

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 x 18 = 90

(18)

1 x 18 = 18

2 x 18 = 36

3 x 18 = 54

4 x 18 = 72

5 x 18 = 90

6 x 18 = 108

(16) 1 x 16 = 16

2 x 16 = 32

9 x 10 = 48

4 x 16 = 64

8 x 16 = 80

6 x 16 = 96

11

1 x 11 = 11

2 x 11 = 22

3 x 11 = 33

4 x 11 = 44

5 x 11 = 55

6 x 11 = 66

(15)

1 x 15 = 15

2 x 15 = 30

3 x 15 = 45

4 x 15 = 60

5 x 15 = 75

(3) 1 × 4 = 4

2 × 4 = 8

3 × 4 = 12

4 × 4 = 16

5 × 4 = 20

6 × 4 = 24

(ii) (9)

1 × 9 = 9

2 × 9 = 18

3 × 9 = 27

4 × 9 = 36

5 × 9 = 45

6 × 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

~~50~~ 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, 98

Exercise 9(B)

Fill in blacks:

(i) On dividing 9 by 7, quotient = 1

and remainder = 2

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

(iii) Factory of a number is an exact division of the number

(iv) Every number is a factore of itself

(v) Every number is a factor of itself

(vi) ~~Every number is a multiple of~~ One is factore of every number

(vii) For every number, its factores are finite and its multiples are infinite