1) Fill in the blanks.

1. On dividing 9 by 7, quotient = __1__ and remainder = __2__

2. On dividing 18676, quotient = __3__ and remainder = __0__

3. Factore of a number is __exact divisor of the number__

4. Every number is a factore of _____

5. Every number is a multiple of _____

6. __1__ is factore of every number.

7. For every number, its factore are __finite__ and its multiplesare __infinite__

8. X is a factore of y, then y is a __multiples__ of x.

2) Write all the factores of:

(i) 16: Factores of 16 = 1, 2, 4, 8, and 16.

(ii) 21: Factores of 21 = 1, 3, 7 and 21

(iii) 39: Factores of 39 = 1, 3, 13 and 39

(iv) 48: Factores of 48 = 1, 2, 63, 4, 6, 8, 12, 16 and 48

(v) 64: Factores of 64 = 1, 2, 4, 8, 32, 16 and 64.

(vi) 98: Factores of 98 = 1, 2, 7, 14, 49 and 98.

3) Write first six multiples of:

(i) 4: First six multiples of 4 are: 4, 8, 12, 16, 20 and 24

(ii) 9: First six multiples of 9 are: 9, 18, 27, 36, 45, and 56

11: First six multiples of 11 are: 11, 22, 33, 44, 55 and 66

15: First six multiples of 15 are: 15, 30, 45, 80, 75 and 90.

18: First six multiples of 18 are: 18, 36, 54, 72, 90 and 108

16: First six multiples of 16 are: 16, 32, 48, 64, 80 and 96

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

Ans. Since, 36 = 1×36, 2×18, 3×12, 4×9, 6×6

Clearly, the numbers are: 4 and 9 $\quad$ assume 9 - 36 and 4 4×9 = -13

4×9 = 36
4+9 = 13

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

Ans: Since $48 = 1 \times 48, 2 \times 24, 3 \times 16, 4 \times 12, 6 \times 8$

Clearly, the numbers are 4 and 12 as $4 \times 12 = 48$ and $4 + 12 = 16$