

i) Fill in the blanks

i) On dividing 9 by 7, quotient = 1 and
remained = 2

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

iii) Factor of a number is exact
divisor of the number.

iv) Every number is a factor of itself

v) Every number is a multiple of itself.

vi) 1 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 .

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2) write all the factors of:

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) $64 - 1, 2, 4, 8, 16, 32, 64$
 $98 - 1, 2, 7, 14, 49, 98$

3) write the first six multiples of:

i) $4 = 1 \times 4 = 4$ ii) 9

$2 \times 4 = 8$

$3 \times 4 = 12$

$4 \times 4 = 16$

$5 \times 4 = 20$

$6 \times 4 = 24$

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

Ans- 36 can be written as

$$1 \times 36 = 36, 2 \times 18 = 36, 3 \times 12 = 36$$

$$4 \times 9 = 36, 6 \times 6 = 36$$

Here the sum of 4 and 9 is 13

Hence, 4 and 9 are the two numbers.

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

Ans 48 ~~can~~ can be written as

$$1 \times 48 = 48, 2 \times 24 = 48, 3 \times 16 = 48,$$

$$4 \times 12 = 48, 6 \times 8 = 48$$

Here the sum of 4 and 12 is 16.
Hence 4 and 12 are the two numbers.