## **Common Factors and Common Multiples**

## 1. Fill in the blanks.

- a. Two numbers having only 1 as a common factor are called \_\_\_\_\_\_numbers.
- **b.** Three common multiples of 6 and 12 are \_\_\_\_\_.
- c. The common factors of 23 and 46 are \_\_\_\_\_\_.
- d. The common factors of 11 and 21 is 1. They are \_\_\_\_\_\_to each other.
- e. The common multiples of 7 and 4 (less than 90) are \_\_\_\_\_\_.

## 2. Complete the table.



Which of the following have 15 as its factor?
a. 15,625
b. 1,23,015
c. 1,51,230

- 4. Write 'T' for True and 'F" for false statement.
  - **a.** Prime numbers do not have any factors.
  - **b.** 1 is the smallest prime number.
  - **c.** If a number divides the sum of two numbers it must exactly divide the numbers separately.
  - **d.** The sum of two prime numbers is always a prime number.
  - e. A number and its successor are always co-primes.
- 5. Find the common factors of 12, 36 and 27.
- 6. Check whether the following numbers are co-prime or not. Write yes or no.
  - **a.** 17 and 31\_\_\_\_\_ **b.** 30 and 50\_\_\_\_\_
  - **c.** 48 and 60\_\_\_\_\_

**d.** 25 and 87\_\_\_\_\_

e. 53 and 33\_\_\_\_\_

f. 18 and 81 \_\_\_\_\_