

SECTION I.

Miscellaneous Questions and Exercises.

1. One chair, one crayon, one pair of gloves, one-half of an apple, are examples of a unit. Give other examples. Define unit; integral unit; fractional unit.
2. Give examples of a number. Define number; integral number; fractional number.
3. What knowledge is gained by the study of arithmetic? Give examples of expression of numbers; operations of numbers; relations of numbers. Define arithmetic.
4. Upon what principle does the decimal system of numbering depend? Show by examples. Illustrate other systems.
5. Find the origin of the names of numbers one, two, etc., to one hundred.
6. Illustrate with objects the four fundamental processes — addition, subtraction, multiplication, and division, and define each.
7. Give examples and define sum; minuend; subtrahend; remainder; multiplicand; multiplier; product; factor; dividend; divisor; quotient.
8. Illustrate and define odd number; even number; prime number; composite number; prime factor; multiple; common multiple; least common multiple; common divisor; greatest common divisor.
9. Illustrate and define denominator; numerator.
10. Illustrate the process of reducing fractions to their lowest terms, and give the rule.
11. Give the rule for changing fractions to equivalent fractions having the least common denominator.
12. Illustrate by objects or drawings the process of adding fractions. Give the rule for adding fractions.