

(ITHO)

Operation on Numbers

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In the previous chapter we have studied about numbers, way of numeration and some properties of numbers. In this chapter we will study operation on numbers. Addition, subtraction, multiplication and division are four basic arithmetic operations. Let us know about them.

Addition

Under the operation of addition two or more than two numbers are added with each other.

➤ **Example:**

Add 544214474 and 904426456.

Solution:

$$544214474 + 904426456 = 1448640930$$

Subtraction

Under the operation of subtraction, difference between two numbers is to be calculate:

➤ **Example:**

Subtract 234495 from 87445653.

Solution: $87445653 - 234495 = 87211158$

Multiplication

When a number is added to itself for a number of times, the process of addition becomes bigger and lengthy. Therefore a short cut method was developed to perform such additions, called multiplication. Thus, multiplication is a short cut method of repeated addition.

➤ **Example:**

Multiply 444 and 333

Solution:

$$\begin{array}{r} 444 \\ \times 333 \\ \hline 1332 \\ 13320 \\ 133200 \\ \hline 147852 \end{array}$$

Division

Division is the distribution of a quantity into some parts, in such a way, so that each of the parts contains equal amount.

➤ **Example:**

Divide 15644 by 58 and find the remainder.

Solution

$$58 \overline{)15644} 269$$

$$\underline{- 116}$$

$$0404$$

$$\underline{- 348}$$

$$0564$$

$$\underline{- 522}$$

$$042$$

$$\text{Remainder} = 42$$