

Class: IV

Ch: 05

classmate

Date

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Math

Addition

Properties of Addition

1. Commutative property of addition:- The sum of any two numbers remains the same even if the order of these numbers is changed.

Example:- (a) $7 + 9 = 16$
or $9 + 7 = 16$

(b) $45 + 4752 = 4752 + 45$

2. Additive property of zero:- If zero is added to a number, the sum is always the number itself.

Example:- (a) $12 + 0 = 12$

(b) $3540 + 0 = 3540$

3. Associative property of addition:- The sum of three numbers remain the same even if the grouping of the numbers is changed.

Example:- $(576213 + 146057) + 87945 = 87945 + (146057 + 576213)$

Practice Time :- 5.2

Fill in the blanks with the help of properties of addition.

Practice Time :- 5.3

A. Solve the problems:

- Q5. A school library has 56570 books of science, 721050 books of English and 42998 books of Hindi. Find the total number of books of these three subjects in the library.

Solve: Numbers of Science books = 56570

Numbers of English books = 721050

Numbers of Hindi books = 42998

Total Numbers of books of these three subjects in the library,

$$= 56570 + 721050 + 42998$$

$$= 820618$$