



Addition of 4-Digit Numbers (With Carrying)

Understanding the Concept:

Addition means putting numbers together to find the total.

When the sum of digits in any place value becomes more than 9, we carry over the extra to the next place on the left.

This is called carrying.

We always begin adding from the ones place and move to the tens, hundreds, and thousands.

Steps to Add 4-Digit Numbers (With Carrying):

- Write both numbers one below the other, matching the place values.
- Start adding from the ones column.
- If the sum is 10 or more, write down the ones digit and carry the tens to the next column.
- Continue this for tens, hundreds, and thousands.
- Add any carry to the next column as you go.

Let's Understand with Examples:

Example 1

Add: $2587 + 1468$

Solution: $2587 + 1468$

$= 4055$

$(7 + 8 = 15, \text{ write } 5 \text{ and carry } 1$

$8 + 6 + 1 = 15, \text{ write } 5 \text{ and carry } 1$

$5 + 4 + 1 = 10, \text{ write } 0 \text{ and carry } 1$

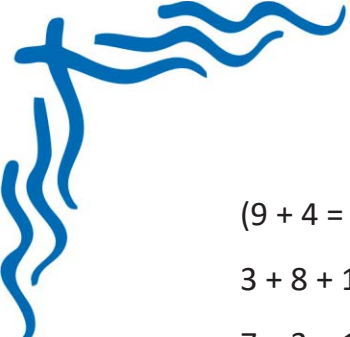
$2 + 1 + 1 = 4)$

Example 2

Add: $4739 + 2384$

Solution: $4739 + 2384$

$= 7123$



$(9 + 4 = 13, \text{ write } 3 \text{ and carry } 1$
 $3 + 8 + 1 = 12, \text{ write } 2 \text{ and carry } 1$
 $7 + 3 + 1 = 11, \text{ write } 1 \text{ and carry } 1$
 $4 + 2 + 1 = 7)$

Example 3

Add: $3957 + 2785$

Solution: $3957 + 2785$

$= 6742$

$(7 + 5 = 12, \text{ write } 2 \text{ and carry } 1$
 $5 + 8 + 1 = 14, \text{ write } 4 \text{ and carry } 1$
 $9 + 7 + 1 = 17, \text{ write } 7 \text{ and carry } 1$
 $3 + 2 + 1 = 6)$

Example 4

Add: $1469 + 2876$

Solution: $1469 + 2876$

$= 4345$

$(9 + 6 = 15, \text{ write } 5 \text{ and carry } 1$
 $6 + 7 + 1 = 14, \text{ write } 4 \text{ and carry } 1$
 $4 + 8 + 1 = 13, \text{ write } 3 \text{ and carry } 1$
 $1 + 2 + 1 = 4)$

Example 5

Add: $5294 + 3728$

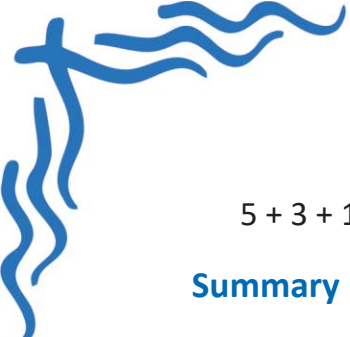
Solution:

5294

$+ 3728$

$= 9022$

$(4 + 8 = 12, \text{ write } 2 \text{ and carry } 1$
 $9 + 2 + 1 = 12, \text{ write } 2 \text{ and carry } 1$
 $2 + 7 + 1 = 10, \text{ write } 0 \text{ and carry } 1$


$$5 + 3 + 1 = 9)$$

Summary Points

- Start adding from Ones place.
 - If sum is 10 or more, write the digit and carry forward.
 - Add the carry to the next column.
 - Arrange digits neatly in columns to avoid confusion.
 - Practice with real-life examples like adding money, items, or numbers on a bill.
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