

Subject: Mathematics

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CLASS- III

Expanded form and Short form

SYNOPSIS

Expanded form is a way of writing numbers to show the actual value of individual digits.

When the numbers are separated into individuals, each number can also form a mathematical expression.

Example: $8 \times 1000 + 7 \times 100 + 4 \times 10 + 3 \times 1$

Standard form is the usual way of writing numbers without multiplying them with their place values.



There are 3 ways to write the expanded form for a given number.

1st way: 4 thousands + 2 hundreds + 5 tens + 7 ones

2nd way: $4 \times 1000 + 2 \times 100 + 5 \times 10 + 7 \times 1$

3rd way: $4000 + 200 + 50 + 7$

Numbers in Expanded form and short form.

Expanded Form	Short Form
(i) 8 ten thousands + 6 hundreds + 6 tens + 3 ones	80663
(ii) $9 \times 10000 + 7 \times 1000 + 4 \times 10 + 2$	97042
(iii) $40000 + 3000 + 900 + 70 + 8$	43978