

Delhi International

Sr. Sec. School  
Mathematics

Day → Saturday

Date → 11<sup>th</sup> April 2020,

Class - IV

Chapter - 1 Continues

Class Work

Introduction

\* Expanded Notation

Expanded notation means to expand each digit of a numeral to its place value and then write their total sum.

Eg:- Write the place value of all the digits of the Number 78,632.

Number	Place Values of Digits
7 8 6 3 2	
2 Ones →	$2 \times 1 = 2$
3 Tens →	$3 \times 10 = 30$
6 Hundreds →	$6 \times 100 = 600$
8 Thousands →	$8 \times 1000 = 8000$
7 Ten thousands →	$7 \times 10000 = 70000$

Example:- Write 8,06,245 in expanded form in 3 different ways.

(a) 8 lakhs + 0 ten thousands + 6 thousands + 2 hundreds + 4 tens + 5 ones.

(b)  $(8 \times 100000) + (0 \times 10000) + (6 \times 1000) + (2 \times 100) + (4 \times 10) + (5 \times 1)$

(c)  $800000 + 0 + 6000 + 200 + 40 + 5 =$   
 $800000 + 6000 + 200 + 40 + 5$

Example: Write the following in standard form:

(a) 7 ten thousands + 8 thousands + 6 hundreds + 2 ones.

(b)  $60000 + 5000 + 50 + 7$

(c)  $(8 \times 100000) + (5 \times 10000) + (4 \times 1000) + (3 \times 100) + (2 \times 10)$

Solution

(a) 78,602

(b) 65,057

(c) 8,54,320

### Home Work

Q.1 Fill in the blanks.

(a)  $87134 =$   ten thousands +  thousands +  hundreds +  tens +  ones.

(b)  $405659 = 4 \times \square + 5 \times \square + 6 \times \square + 5 \times \square + 9 \times \square$

(c)  $20000 + 4000 + 500 + 70 + 1 = \square$

Q.2 Write in expanded form

(a) 41,684      (b) 7,10,692

(c) 64,507      (d) 8,48,486.

Q.3 Write in standard form.

(a)  $70000 + 6000 + 800 + 50 + 2 = \square$

(b)  $50000 + 400 + 10 + 7 = \square$