Numbers in Expanded Form

Numbers in expanded form

Representing the number as a sum of the place values of each digit in a number in the expanded form of a number.

For example:

Expanded form of 1563

1563 = 1 Thousand 5 hundreds 6 tens 3 ones

= 1000 + 500 + 60 + 3

Expanded form of 1563

1000 + 500 + 60 + 3

Example 1:

Expanded form of 8506

Solution:

8506 = 8 Thousands 5 hundreds 0 ten 6 ones

= 8000 + 500 + 0 + 6

= 8000 + 500 + 6

Expanded form of 8506

8000 + 500 + 6

Example 2:

Expanded form of 7623

Solution:

Thousands	Hundreds	Tens	Ones
TH	H	T	O
7 X 1000	6 X 100	2 X 10	3 X 1
7000	600	20	3

Expanded form of 7623

7000 + 600 + 20 + 3

Example 3:

Expanded form of 3890

Solution:

Thousands	Hundreds	Tens	Ones
TH	H	T	O
3 X 1000	8 X 100	9 X 10	0 X 1
3000	800	90	0

Expanded form of 3890

3000 + 800 + 90

Example 4:

Expanded form of 4018

Solution:

4018 = 4 Thousands 0 hundreds 1 ten 8 ones

= 4 X 1000 + 0 X 100 + 1 X 10 + 8 X 1

= 4000 + 0 + 10 + 8

Expanded form of 4018

4000 + 10 + 8

Example 5:

Expanded form of 5934

Solution:

5934 = 5 Thousands 9 hundreds 3 tens 4 ones

= 5 X 1000 + 9 X 100 + 3 X 10 + 4 X 1

= 5000 + 900 + 30 + 4

Expanded form of 5934

5000 + 900 + 30 + 4