Expanded Form



Definition: The sum of the place values of all the digits in a number gives it expanded form.

We know that 36 = 3 tens + 6 ones = 30 + 6.

Then, 30 + 6 is called the expanded form of the number 36. Also, 36 is the ordinary or compact form of the number 'thirty six'.

Similarly, 85 = 8 tens + 5 ones

$$80 + 5$$

Thus, the expanded form of the number 85 is 80 + 5.

85 is the ordinary or compact from of the number 'eighty five'.

Т	0
8	5

Н

3

6

0

4



Example: Write expanded form of the following numbers:

- (a) 364
- (b) 798
- (c) 675

Solution:



(a) 364 = 3 hundreds + 6 tens + 4 ones

$$364 = 3 \times 100 + 6 \times 10 + 4 \times 1$$

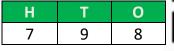
Expanded form of 364

Expanded Form

$$798 = 7 \times 100 + 9 \times 10 + 8 \times 1$$

= 700 + 90 + 8

Expanded form of 798





$$675 = 6 \times 100 + 7 \times 10 + 5 \times 1$$

= 600 + 70 + 5

Expanded form of 675

Η	Т	0
6	7	5