

In the name of Allah, the Most Gracious, the Most Merciful

# Afroz Maths Course

## NUMBERS

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1) The numbers from 0 (zero) to 9 (nine) are called 'Digits '

Digits : 0,1,2,3,4,5,6,7,8,9

2.) The written form of the number is called a 'Numeral'.

Ex : 9 is the numeral of the number 'Nine'.

3) The word used for a number is called 'Number name'.

Ex : Nine is the number name of 9

4) Writing numbers using the digits is called 'Notation'.

Ex: 10 ( Here the digits 1 and 0 are used for the notation )

5) Writing numbers in words is called 'Numeration'.

Ex : Fifty Nine

6) Every digit has two values. (i) Natural value (ii) Place value

Ex : 47 The natural value of  $4 = 4$       The place value of  $4 = 4 \times 10 = 40$

7) The place value of zero (0) is 0 wherever it may be.

Ex : 40. The place value of 0 = 0

9) The number that comes just after a particular number is called its 'Successor'.

By adding 1 to any natural number we get its 'Successor'

Ex :  $36 + 1 = 37$       The successor of 36 is 37

10) The number that comes just before a particular number is called its 'Predecessor'.

By subtracting 1 from any natural number we get its 'Predecessor'

Ex :  $42 - 1 = 41$       The predecessor of  $42$  is  $41$

11) The smallest one digit number is 1 ( One ) ( in natural numbers)

**The smallest two digit number is 10 ( Ten )**

**The smallest three digit number is 100 ( One hundred )**

12) The largest one digit number is 9      The largest two digit number is 99

**The largest three digit number is 999**

13) 10 numbers are there in all having one digit 90 numbers are there in all having two digits 900 numbers are there in all having three digits

14 ) 10 has 1 zero

100 has 2 zeroes

3

15)

10	_____	Ten
100	_____	Hundred
1000	_____	Thousand
10,000	_____	Ten thousand
1,00,000	_____	One lakh
10,00,000	_____	Ten lakh

1,00,00,000	One crore
10,00,00,000	Ten crore
100,00,00,000	Hundred crore
1000,00,00,000	Thousand crore

16)

Numeral	Number name
9	Nine
10	Ten

The largest one digit number is 9

$$9 + 1 = 10$$

The number next to 9 is 10

The smallest 2-digit number is 10

Numeral	Number name
99	Ninety nine
100	One hundred

The largest two digit number is 99

$$99 + 1 = 100$$

The number next to 99 is 100

The smallest 3-digit number is 100



## Place value chart of Hindu-Arabic system of numeration

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Place value		7	8	6	8	7	4	3	6	5
10,00,00,000	1,00,00,000	10,00,000	1,00,000	10,000	1,000	100	10	1		
Ten Crores place	Crores place	Ten Lakhs place	Ten Lakhs place	Lakhs place	Ten Thousands place	Thousands place				
T.C	C	T.L	L	T.Th	Th	H	T	O	Ones place	Ones place

Seventy eight crore sixty eight lakh Seventy four thousand three hundred sixty five

**Ones = O (or)**

**Units** =U

**Tens** = **T**

**Hundreds = H**

**Thousands = Th**

**Ten thousands = T.Th**

**Lakhs = L**

**Ten lakhs = T. L**

**Crores = C**

**Ten crores = T. C**

## Cardinal numbers and Ordinal Numbers

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A Cardinal number is a number that says how many of something there are, such as one, two, three, four, five etc

An Ordinal number is a number that tells the position of something in a list, such as 1st, 2nd, 3rd, 4th, 5th etc

Cardinal number	Number name		Ordinal number
1	One	1st	First
2	Two	2nd	Second
3	Three	3rd	Third
4	Four	4th	Fourth
5	Five	5th	Fifth
6	Six	6th	Sixth
7	Seven	7th	Seventh
8	Eight	8th	Eighth
9	Nine	9th	Ninth
10	Ten	10th	Tenth
11	Eleven	11th	Eleventh
12	Twelve	12th	Twelfth
13	Thirteen	13th	Thirteenth
14	Fourteen	14th	Fourteenth
15	Fifteen	15th	Fifteenth
16	Sixteen	16th	Sixteenth
17	Seventeen	17th	Seventeenth
18	Eighteen	18th	Eighteenth
19	Nineteen	19th	Nineteenth
20	Twenty	20th	Twentieth

Cardinal number	Number name		Ordinal number
21	Twenty one	21st	Twenty-first
22	Twenty two	22nd	Twenty-second
23	Twenty three	23rd	Twenty-third
24	Twenty four	24th	Twenty-fourth
25	Twenty five	25th	Twenty-fifth
26	Twenty six	26th	Twenty-sixth
27	Twenty seven	27th	Twenty-seventh
28	Twenty eight	28th	Twenty-eighth
29	Twenty nine	29th	Twenty-ninth
30	Thirty	30th	Thirtieth
40	Forty	40th	Fortieth
50	Fifty	50th	Fiftieth
60	Sixty	60th	Sixtieth
70	Seventy	70th	Seventieth
80	Eighty	80th	Eightieth
90	Ninety	90th	Ninetieth
100	Hundred	100th	Hundredth
1000	Thousand	1000th	Thousandth
10000	Ten thousand	10000th	Ten thousandth
100000	One lakh	100,000th	Hundred thousandth
1000000	Ten lakhs (or) One Million	1000000th	One millionth
10000000	One crore (or) Ten Millions	10000000th	Ten millionth
100000000	Ten crores (or) 100 Millions	100000000th	Hundred millionth

Cardinal number	Number name		Ordinal number
<b>10000000000</b>	Hundred crores (or) 1000 Millions (or) One Billion	1000000000th	Thousand millionth (or) One billionth
<b>100000000000</b>	Thousand crores (or) 10000 Millions (or) Ten Billions	10000000000th	Ten thousand millionth (or) Ten billionth
<b>1000000000000</b>	Ten thousand crores (or) 100000 Millions (or) Hundred Billions	100000000000th	One lakh millionth (or) Hundred billionth
<b>10000000000000</b>	One lakh crores (or) 1000000 Millions (or) Thousand Billions (or) One Trillion	1000000000000th	Ten lakh millionth (or) Million millionth (or) Thousand billionth (or) One Trillionth



## Cardinal numbers

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Numeral	Number name
1	One
2	Two
3	Three
4	Four
5	Five
6	Six
7	Seven
8	Eight
9	Nine
10	Ten
11	Eleven
12	Twelve
13	Thirteen
14	Fourteen
15	Fifteen
16	Sixteen
17	Seventeen
18	Eighteen
19	Nineteen
20	Twenty
21	Twenty one
22	Twenty two
23	Twenty three
24	Twenty four
25	Twenty five
26	Twenty six
27	Twenty seven
28	Twenty eight
29	Twenty nine
30	Thirty
31	Thirty one
32	Thirty two

Numeral	Number name
33	Thirty three
34	Thirty four
35	Thirty five
36	Thirty six
37	Thirty seven
38	Thirty eight
39	Thirty nine
40	Forty
41	Forty one
42	Forty two
43	Forty three
44	Forty four
45	Forty five
46	Forty six
47	Forty seven
48	Forty eight
49	Forty nine
50	Fifty
51	Fifty one
52	Fifty two
53	Fifty three
54	Fifty four
55	Fifty five
56	Fifty six
57	Fifty seven
58	Fifty eight
59	Fifty nine
60	Sixty
61	Sixty one
62	Sixty two
63	Sixty three
64	Sixty four

## Cardinal numbers

9

Numeral	Number name
65	Sixty five
66	Sixty six
67	Sixty seven
68	Sixty eight
69	Sixty nine
70	Seventy
71	Seventy one
72	Seventy two
73	Seventy three
74	Seventy four
75	Seventy five
76	Seventy six
77	Seventy seven
78	Seventy eight
79	Seventy nine
80	Eighty
81	Eighty one
82	Eighty two
83	Eighty three
84	Eighty four
85	Eighty five
86	Eighty six
87	Eighty seven
88	Eighty eight
89	Eighty nine
90	Ninety
91	Ninety one
92	Ninety two
93	Ninety three
94	Ninety four
95	Ninety five
96	Ninety six

Numeral	Number name
97	Ninety seven
98	Ninety eight
99	Ninety nine
100	<b>One hundred</b>
200	Two hundred
300	Three hundred
400	Four hundred
500	Five hundred
600	Six hundred
700	Seven hundred
800	Eight hundred
900	Nine hundred
1000	One thousand
2000	Two thousand
3000	Three thousand
4000	Four thousand
5000	Five thousand
6000	Six thousand
7000	Seven thousand
8000	Eight thousand
9000	Nine thousand
10, 000	Ten thousand
1,00,000	One Lakh
10,00,000	Ten Lakh
1,00,00,000	One crore
10,00,00,000	Ten crore
100,00,00,000	Hundred crore
1000,00,00,000	Thousand crore
10000,00,00,000	Ten thousand crore
100000,00,00,000	One lakh crore

