

	Base	Digits
Binary	2	0, 1
Hexadecimal	16	
Decimal	10	0 ... 9
Octal	8	0 ... 7

Binary

0

1

Decimal

0

1

2  
3

8

9

10

Hexadecimal

0

1

2  
3  
4

...

9

A 10

B 11

C 12

D 13

E 14

F 15

AE FF CA DE

192.168.0.2

$2^8$  |  $2^7$  |  $2^6$  |  $2^5$  |  $2^4$  |  $2^3$  |  $2^2$  |  $2^1$  |  $2^0$   
 256 | 128 | 64 | 32 | 16 | 8 | 4 | 2 | 1  
 192 = 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0

$2^3$  |  $2^2$  |  $2^1$  |  $2^0$   
 8 | 4 | 2 | 1  
 10 = 1 | 0 | 1 | 1  
 8 + 0 + 2 + 1 = 11

$10^3$  |  $10^2$  |  $10^1$  |  $10^0$   
 1000 | 100 | 10 | 1  
 100 = 1 | 0 | 0 | 0  
 100 + 0 + 0 = 100

168 0 1 0 1 0 1 0 0 0

0 0 0 0 0 0 1 0

