

Subnet Chart

# Subnet Bits	# Host Bits	CIDR	# Addresses	# Assignable Hosts	Subnet Mask	
<i>Number of bits used for subnets</i>	<i>Number of bits used for hosts</i>	<i>CIDR block suffix</i>	<i>Number of addresses in each subnet</i>	<i>Number of assignable host addresses in each subnet</i>	<i>Dotted-decimal mask delineating the subnet and host portions of an address</i>	
8	24	/8	16,777,216	16,777,214	255.0.0.0	Class A
9	23	/9	8,388,608	8,388,606	255. 128 .0.0	
10	22	/10	4,194,304	4,194,302	255. 192 .0.0	
11	21	/11	2,097,152	2,097,150	255. 224 .0.0	
12	20	/12	1,048,576	1,048,574	255. 240 .0.0	
13	19	/13	524,288	524,286	255. 248 .0.0	
14	18	/14	262,144	262,142	255. 252 .0.0	
15	17	/15	131,072	131,070	255. 254 .0.0	
16	16	/16	65,536	65,534	255. 255 .0.0	Class B
17	15	/17	32,768	32,766	255.255. 128 .0	
18	14	/18	16,384	16,382	255.255. 192 .0	
19	13	/19	8,192	8,190	255.255. 224 .0	
20	12	/20	4,096	4,094	255.255. 240 .0	
21	11	/21	2,048	2,046	255.255. 248 .0	
22	10	/22	1,024	1,022	255.255. 252 .0	
23	9	/23	512	510	255.255. 254 .0	
24	8	/24	256	254	255.255. 255 .0	Class C
25	7	/25	128	126	255.255.255. 128	
26	6	/26	64	62	255.255.255. 192	
27	5	/27	32	30	255.255.255. 224	
28	4	/28	16	14	255.255.255. 240	
29	3	/29	8	6	255.255.255. 248	
30	2	/30	4	2	255.255.255. 252	
31	1	/31	2	0	255.255.255. 254	
32	0	/32	1	0	255.255.255. 255	