Subnet Cheat Sheet

CIDR	Total # of Addresses	Hosts	Netmask
/30	4	2	255.255.255.252
/29	8	6	255.255.255.248
/28	16	14	255.255.255.240
/27	32	30	255.255.255.224
/26	64	62	255.255.255.192
/25	128	126	255.255.255.128
/24	256	254	255.255.255.0
/23	512	510	255.255.254.0
/22	1,024	1,022	255.255.252.0
/21	2,048	2,046	255.255.248.0
/20	4,096	4,094	255.255.240.0
/19	8,192	8,190	255.255.224.0
/18	16,384	16,382	255.255.192.0
/17	32,768	32,766	255.255.128.0
/16	65,536	65,534	255.255.0.0
/15	131,072	131,070	255.254.0.0
/14	262,144	262,142	255.252.0.0
/13	524,288	524,286	255.248.0.0
/12	1,048,576	1,048,574	255.240.0.0
/11	2,097,152	2,097,150	255.224.0.0
/10	4,194,304	4,194,302	255.192.0.0
/9	8,388,608	8,388,606	255.128.0.0
/8	16,777,216	16,777,214	255.0.0.0
/7	33,554,432	33,554,430	254.0.0.0
/6	67,108,864	67,108,862	252.0.0.0
/5	134,217,728	134,217,726	248.0.0.0
/4	268,435,456	268,435,454	240.0.0.0
/3	536,870,912	536,870,910	224.0.0.0
/2	1,073,741,824	1,073,741,822	192.0.0.0
/1	2,147,483,648	2,147,483,646	128.0.0.0
/0	4,294,967,296	4,294,967,294	0.0.0.0

Default Subnet Mask

Class	Network Prefix	Dotted-Decimal
Class A	/8	255.0.0.0
Class B	/16	255.255.0.0
Class C	/24	255.255.255.0

Reserved Ranges

CIDR	Range	Number of Addresses	Purpose
0.0.0.0/8	0.0.0.0 – 0.255.255.255	16,777,216	Used for local broadcast messages
10.0.0.0/8	10.0.0.0 – 10.255.255.255	16,777,216	Used for local communications within a private network.
127.0.0.0/8	127.0.0.0 – 127.255.255.255	16,777,216	Used for loopback addresses
192.168.0.0/16	192.168.0.0 – 192.168.255.255	65,536	Used for local communications within a private network.