


CLASS A - SUBNETTING

IP Address
 **Generate Subnets**

Subnet Mask

Mask Bits **Number of Subnets**


Host Bits **Hosts per Subnet**

Subnet Bit Mask 0nnnnnnn.sshhhhhhh.hhhhhhhh.hhhhhhhh

Subnet	Mask	Subnet Size	Host Range	Broadcast
10.0.0.0	255.192.0.0	4194302	10.0.0.1 to 10.63.255.254	10.63.255.255
10.64.0.0	255.192.0.0	4194302	10.64.0.1 to 10.127.255.254	10.127.255.255
10.128.0.0	255.192.0.0	4194302	10.128.0.1 to 10.191.255.254	10.191.255.255
10.192.0.0	255.192.0.0	4194302	10.192.0.1 to 10.255.255.254	10.255.255.255

CLASS B - SUBNETTING

Address Details | **Classful Subnet Calculator** | **CIDR Calculator** | **Subnet Addresses**

IP Address
 **Generate Subnets**

Subnet Mask

Mask Bits **Number of Subnets**


Host Bits **Hosts per Subnet**

Subnet Bit Mask 10nnnnnnn.nnnnnnnn.sshhhhhhh.hhhhhhhh

Subnet	Mask	Subnet Size	Host Range	Broadcast
172.1.0.0	255.255.192.0	16382	172.1.0.1 to 172.1.63.254	172.1.63.255
172.1.64.0	255.255.192.0	16382	172.1.64.1 to 172.1.127.254	172.1.127.255
172.1.128.0	255.255.192.0	16382	172.1.128.1 to 172.1.191.254	172.1.191.255
172.1.192.0	255.255.192.0	16382	172.1.192.1 to 172.1.255.254	172.1.255.255

CLASS C - SUBNETTING

Address Details | **Classful Subnet Calculator** | **CIDR Calculator** | **Subnet Addresses**

IP Address
 **Generate Subnets**

Subnet Mask

Mask Bits **Number of Subnets**

Host Bits **Hosts per Subnet**

Subnet Bit Mask 110nnnnn.nnnnnnnn.nnnnnnnn.sshhhhhh

Subnet	Mask	Subnet Size	Host Range	Broadcast
192.1.1.0	255.255.255.192	62	192.1.1.1 to 192.1.1.62	192.1.1.63
192.1.1.64	255.255.255.192	62	192.1.1.65 to 192.1.1.126	192.1.1.127
192.1.1.128	255.255.255.192	62	192.1.1.129 to 192.1.1.190	192.1.1.191
192.1.1.192	255.255.255.192	62	192.1.1.193 to 192.1.1.254	192.1.1.255