

IP SUBNET QUESTIONS (Worksheet #1)

Given the following IP addresses/net/subnet masks, identify how many bits are borrowed for the host/subnet, how many hosts/subnets are usable, and the network and broadcast addresses.

156.192.162.56/255.255.255.0

Address Class : _____

Bits Borrowed for Subnet: _____

Bits for Host: _____

Number of Usable Subnets: _____

Number of Usable Hosts/Subnet: _____

Network Address: _____

Usable Address Range: _____

Broadcast Address: _____

205.173.45.9/255.255.255.0

Address Class : _____

Bits Borrowed for Subnet: _____

Bits for Host: _____

Number of Usable Subnets: _____

Number of Usable Hosts/Subnet: _____

Network Address: _____

Usable Address Range: _____

Broadcast Address: _____

204.167.98.45/255.255.255.240

Address Class : _____

Bits Borrowed for Subnet: _____

Bits for Host: _____

Number of Usable Subnets: _____

Number of Usable Hosts/Subnet: _____

Network Address: _____

Usable Address Range: _____

Broadcast Address: _____

201.1.97.33/255.255.255.248

Address Class : _____

Bits Borrowed for Subnet: _____

Bits for Host: _____

Number of Usable Subnets: _____

Number of Usable Hosts/Subnet: _____

Network Address: _____

Usable Address Range: _____

Broadcast Address: _____

13.156.59.109/255.255.255.248

Address Class : _____

Bits Borrowed for Subnet: _____

Bits for Host: _____

Number of Usable Subnets: _____

Number of Usable Hosts/Subnet: _____

Network Address: _____

Usable Address Range: _____

Broadcast Address: _____

199.15.201.77/255.255.255.224

Address Class : _____

Bits Borrowed for Subnet: _____

Bits for Host: _____

Number of Usable Subnets: _____

Number of Usable Hosts/Subnet: _____

Network Address: _____

Usable Address Range: _____

Broadcast Address: _____

208.141.56.142/255.255.255.192

Address Class : _____

Bits Borrowed for Subnet: _____

Bits for Host: _____

Number of Usable Subnets: _____

Number of Usable Hosts/Subnet: _____

Network Address: _____

Usable Address Range: _____

Broadcast Address: _____

165.191.4.67/255.255.255.192

Address Class : _____

Bits Borrowed for Subnet: _____

Bits for Host: _____

Number of Usable Subnets: _____

Number of Usable Hosts/Subnet: _____

Network Address: _____

Usable Address Range: _____

Broadcast Address: _____

161.212.7.129/255.255.255.252

Address Class : _____

Bits Borrowed for Subnet: _____

Bits for Host: _____

Number of Usable Subnets: _____

Number of Usable Hosts/Subnet: _____

Network Address: _____

Usable Address Range: _____

Broadcast Address: _____

164.7.115.7/255.255.252.0

Address Class : _____

Bits Borrowed for Subnet: _____

Bits for Host: _____

Number of Usable Subnets: _____

Number of Usable Hosts/Subnet: _____

Network Address: _____

Usable Address Range: _____

Broadcast Address: _____

156.27.129.174/255.255.240.0

Address Class : _____

Bits Borrowed for Subnet: _____

Bits for Host: _____

Number of Usable Subnets: _____

Number of Usable Hosts/Subnet: _____

Network Address: _____

Usable Address Range: _____

Broadcast Address: _____