

# Subnetting TCP/IP Networks Handout

April 24, 2010

# Practice

Convert the following conversions, answering in binary.

18

101

7

67

83

34

187

228

0

44

# Practice

Convert the following conversions, answering in base 10 numbers.

0000 0011

0010 0111

1011 1010

1110 1110

0011 0101

1001 1111

1100 0011

1110 1001

1111 1111

0000 1110

# Practice

Class B Subnetting of IP Address 128.32.0.0

Create 16 subnets  
for the IP address  
128.32.0.0

Subnet Mask	No. of Subnets	Number of Hosts	Network Address	Usable IP Range	Broadcast Address
	16				

11111111.11111111.\_\_\_\_\_ .00000000 or \_\_\_\_\_

# Practice

Class C Subnetting of IP Address 192.168.0.0

Create 16 subnets  
for the IP address  
192.168.0.0

Subnet Mask	No. of Subnets	Number of Hosts	Network Address	Usable IP Range	Broadcast Address
	16				

11111111.11111111.11111111.\_\_\_\_\_ or \_\_\_\_\_