

# Subnetting

## Problem 11

Number of needed usable hosts **8,000**

Network Address **135.70.0.0**

Address class \_\_\_\_\_

Default subnet mask \_\_\_\_\_

Custom subnet mask \_\_\_\_\_

Total number of subnets \_\_\_\_\_

Total number of host addresses \_\_\_\_\_

Number of usable addresses \_\_\_\_\_

Number of bits borrowed \_\_\_\_\_

What is the 6th  
subnet range? \_\_\_\_\_

What is the subnet number  
for the 7th subnet? \_\_\_\_\_

What is the subnet  
broadcast address for  
the 3rd subnet? \_\_\_\_\_

What are the assignable  
addresses for the 5th  
subnet? \_\_\_\_\_

# Subnetting

## Problem 9

Number of needed usable hosts **28**

Network Address **172.50.0.0**

Address class \_\_\_\_\_

Default subnet mask \_\_\_\_\_

Custom subnet mask \_\_\_\_\_

Total number of subnets \_\_\_\_\_

Total number of host addresses \_\_\_\_\_

Number of usable addresses \_\_\_\_\_

Number of bits borrowed \_\_\_\_\_

What is the 2nd  
subnet range? \_\_\_\_\_

What is the subnet number  
for the 10th subnet? \_\_\_\_\_

What is the subnet broadcast  
address for  
the 4th subnet? \_\_\_\_\_

What are the assignable  
addresses for the 6th  
subnet? \_\_\_\_\_

# Subnetting

## Problem 8

Number of needed subnets **5**

Network Address **172.50.0.0**

Address class \_\_\_\_\_

Default subnet mask \_\_\_\_\_

Custom subnet mask \_\_\_\_\_

Total number of subnets \_\_\_\_\_

Total number of host addresses \_\_\_\_\_

Number of usable addresses \_\_\_\_\_

Number of bits borrowed \_\_\_\_\_

What is the 4th  
subnet range? \_\_\_\_\_

What is the subnet number  
for the 5th subnet? \_\_\_\_\_

What is the subnet  
broadcast address for  
the 6th subnet? \_\_\_\_\_

What are the assignable  
addresses for the 3rd  
subnet? \_\_\_\_\_

# Subnetting

## Problem 10

Number of needed subnets **45**

Network Address **220.100.100.0**

Address class \_\_\_\_\_

Default subnet mask \_\_\_\_\_

Custom subnet mask \_\_\_\_\_

Total number of subnets \_\_\_\_\_

Total number of host addresses \_\_\_\_\_

Number of usable addresses \_\_\_\_\_

Number of bits borrowed \_\_\_\_\_

What is the 5th  
subnet range? \_\_\_\_\_

What is the subnet number  
for the 4th subnet? \_\_\_\_\_

What is the subnet  
broadcast address for  
the 13th subnet? \_\_\_\_\_

What are the assignable  
addresses for the 12th  
subnet? \_\_\_\_\_