

IP Addressing #9

Given the IP address 101.0.0.0 calculate the following information

1. What class address is this? _____

Assuming 19 bits are borrowed to create subnets, answer the following questions.

2. What is the subnet mask? _____

3. How many usable subnets are created? _____

4. How many usable host on each subnet? _____

5. How many total usable host are created? _____

6. How many usable host addresses are lost due to subnetting? _____

Complete the chart below (borrowing 19 bits)

Subnet #	Subnet Address	Host Range		Broadcast Address
		Host From	Host To	
0	101.0.0.0			
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				

Challenge Problems

11. What is the Subnet Address of subnet 51? _____

12. What is the Subnet Address of subnet 80? _____

13. What is the Subnet Address of subnet 2050? _____