IP Subnetting II Small Group Exercise

Activity:

This is a small group activity consisting of an IP subnetting exercise that includes determining class, subnet bit (CIDR) bits, determining number of subnets and hosts, host range, subnet ID, and broadcast address.

Questions:

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Host IP /Mask** | **Class** | **Subnet Bits** | **Host Bits** | **# Subnets** | **# Hosts per Subnet** | **Host range** | **Subnet ID** | **Broadcast Address** |
| 190.110.13.23/21 |  |  |  |  |  |  |  |  |
| 186.123.123.9/24 |  |  |  |  |  |  |  |  |
| 201.42.2.9/29 |  |  |  |  |  |  |  |  |
| 134.241.100.3/19 |  |  |  |  |  |  |  |  |
| 13.14.15.4/14 |  |  |  |  |  |  |  |  |
| 211.176.90.17.28 |  |  |  |  |  |  |  |  |
| 129.102.13.8/30 |  |  |  |  |  |  |  |  |
| 192.168.5.97/26 |  |  |  |  |  |  |  |  |
| 8.8.8.8/25 |  |  |  |  |  |  |  |  |
| 172.28.15.254/17 |  |  |  |  |  |  |  |  |

\*\*\*\*\*\*\*\*\*\*\*\*\*\*Show your work on the following blank page\*\*\*\*\*\*\*\*\*\*\*\*\*\*

IP Subnetting II Work: