



Instructor:

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LABs : Subnetting

Course: **CCNA 200 301 Switching**

Team: **Cipher | Networks Camp**

10 points

Questions

1-What is the broadcast address of prefix 10.102.7.0/19?

- A- 10.102.31.255
- B- 10.102.31.0
- C- 10.102.32.1
- D- 10.102.255.255
- E- 10.102.32.255

2-How many IP addresses can be assigned to hosts, for Subnet Mask 255.255.255.192?

- A- 30
- B- 62
- C- 32
- D- 60
- E- 64

3- What is the last usable host address of prefix 103.54.99.0/25?

- A- 103.54.99.128
- B- 103.54.99.1
- C- 103.54.99.126
- D- 103.54.99.255
- E- 103.54.99.254

4- How many subnets and how many hosts in each subnet are there for the network address 192.168.7.0/28?

- A- 16 /254
- B- 255 / 14
- C- 128 /14
- D- 16 / 126
- E- 16 / 14

5-We have a network address 192.168.1.0 and we would like to divide this network into 7 subnets and there must be at least 18 host addresses in each subnet. Which subnet mask should we use?

- A- 255.255.255.0 (/24)
- B- 255.255.255.192 (/26)
- C- 255.255.255.128 (/25)
- D- 255.255.255.224 (/27)
- E- 255.255.255.240 (/28)

6- IP address 10.145.100.6/27 is a part of which host range?

- A-** 10.145.100.0 – 10.145.100.63
- B-** 10.145.100.0 – 10.145.100.255
- C-** 10.145.100.0 – 10.145.100.32
- D-** 10.145.100.1 – 10.145.100.30
- E-** 10.145.100.1 – 10.145.100.255

7- Subnet the IP Address 210.30.12.0, so there are 60 Hosts in each network. What are the Broadcast Addresses of each Network?

- A-** 210.30.12.63, 127, 191, and 255
- B-** 210.30.12.64, 128,192, and 255
- C-** 210.30.12.255
- D-** 210.30.12.0

Q 1. What are the **network address**, **broadcast address**, and the **subnet mask** of the network includes a host with the IP Address below?

IP Address: **1.206.127.59 /26**

Network Address:-----

Broadcast Address:-----

Subnet Mask:-----

Q 2. What are the **network address**, **broadcast address**, and the **subnet mask** of the network includes a host with the IP Address below?

IP Address: **174.204.238.222 /19**

Network Address:-----

Broadcast Address:-----

Subnet Mask:-----

Q 3. What are the **network address**, **broadcast address**, and the **subnet mask** of the network includes a host with the IP Address below?

IP Address: **210.60.206.219 /26**

Network Address:-----

Broadcast Address:-----

Subnet Mask:-----

Q 4. What are the **network address**, **broadcast address**, and the **subnet mask** of the network includes a host with the IP Address below?

IP Address: **4.50.86.232 /28**

Network Address:-----

Broadcast Address:-----

Subnet Mask:-----

Thank you