

A. Which host(s) is on the same subnet and has a valid IP address?

1. Host = 15.244.97.88

Mask = 255.255.128.0

A. 15.244.168.19

B. 15.244.18.177

C. 15.244.0.255

D. 15.244.127.255

2. Host = 173.19.18.126

Mask = 255.255.248.0

A. 173.19.19.0

B. 173.19.22.254

C. 173.19.23.255

D. 173.19.25.17

3. Host = 196.125.18.34

Mask = 255.255.255.240

A. 196.125.18.32

B. 196.125.18.31

C. 196.125.18.47

D. 196.125.18.44

4. Host = 126.82.142.7

Mask = 255.255.240.0

A. 126.82.144.86

B. 126.82.143.92

C. 126.82.127.19

D. 126.82.129.0

5. Host = 176.82.78.77

Mask = 255.255.170.0

- A. 176.82.17.86
- B. 176.82.27.142
- C. 176.82.91.1
- D. 176.82.95.255

6. Host = 144.57.18.37
Mask = 255.240.0.0

- A. 144.63.98.122
- B. 144.47.147.81
- C. 144.19.103.114
- D. 144.63.0.0

7. Host = 198.142.77.18
Mask = 255.255.255.252

- A. 198.142.77.16
- B. 198.142.77.21
- C. 198.142.77.19
- D. 198.142.77.17

B. What subnet mask(s) will put each host on a different, valid subnet?

9. Host1 = 19.77.33.112
Host2 = 19.77.15.11

- A. 255.255.0.0
- B. 255.255.255.0
- C. 255.255.240.0
- D. 255.255.224.0

10. Host1 = 161.122.15.6
Host2 = 161.122.17.132

- A. 255.255.0.0
- B. 255.255.255.0
- C. 255.255.248.0

D. 255.255.240.0

11. Host1 = 161.122.18.6

Host2 = 161.122.18.17

A. 255.255.255.255

B. 255.255.255.252

C. 255.255.255.240

D. 255.255.255.248

12. What mask would put the following hosts on the same subnet?

Host1 = 96.76.122.18

Host2 = 76.96.122.19

A. 240.0.0.0

B. 248.0.0.0

C. 192.0.0.0

D. 224.0.0.0