

CN LAB#02

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Section: H

Address Class Identification

10.250.1.1	<u>A</u>
150.10.15.0	<u>B</u>
192.14.2.0	C
148.17.9.1	B
193.42.1.1	C
126.8.156.0	A
220.200.23.1	C
230.230.45.58	D
177.100.18.4	B
119.18.45.0	A
249.240.80.78	E
199.155.77.56	C
117.89.56.45	A
215.45.45.0	C
199.200.15.0	C
95.0.21.90	A
33.0.0.0	A
158.98.80.0	B
219.21.56.0	C

Network and Host Identification:

Circle the network portion of these addresses:

177.100.18.4

119.18.45.0

209.240.80.78

199.155.77.56

117.89.56.45

215.45.45.0

192.200.15.0

95.0.21.90

33.0.0.0

158.98.80.0

217.21.56.0

10.250.1.1

150.10.15.0

192.14.2.0

148.17.9.1

193.42.1.1

126.8.156.0

220.200.23.1

Circle the host portion of these addresses:

10.15.123.50

171.2.199.31

198.125.87.177

223.250.200.222

17.45.222.45

126.201.54.231

191.41.35.112

155.25.169.227

192.15.155.2

123.102.45.254

148.17.9.155

100.25.1.1

195.0.21.98

25.250.135.46

171.102.77.77

55.250.5.5

218.155.230.14

10.250.1.1

Network Addresses

Using the IP address and subnet mask shown write out the network address:

188.10.18.2 255.255.0.0	<u>188 . 10 . 0 . 0</u>
10.10.48.80 255.255.255.0	<u>10 . 10 . 48 . 0</u>
192.149.24.191 255.255.255.0	<div>192.149.24.0</div>
150.203.23.19 255.255.0.0	<div>150.203.0.0</div>
10.10.10.10 255.0.0.0	<div>10.0.0.0</div>
186.13.23.110 255.255.255.0	<div>186.13.23.0</div>
223.69.230.250 255.255.0.0	<div>223.69.0.0</div>
200.120.135.15 255.255.255.0	<div>200.120.135.0</div>

Default Subnet Masks

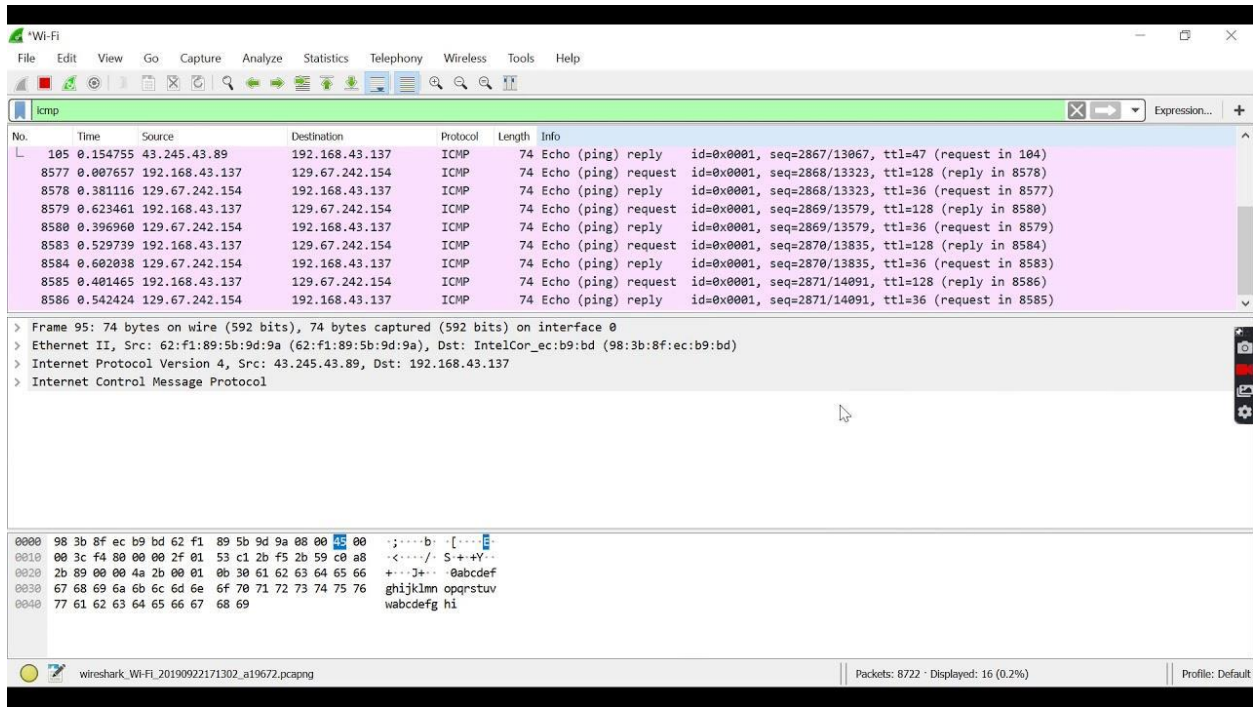
Write the correct default subnet mask for each of the following addresses:

177.100.18.4	<u>255 . 255 . 0 . 0</u>
119.18.45.0	<u>255 . 0 . 0 . 0</u>
191.249.234.191	<input type="text" value="255.255.0.0"/>
223.23.223.109	<input type="text" value="255.255.255.0"/>
10.10.250.1	<input type="text" value="255.0.0.0"/>
126.123.23.1	<input type="text" value="255.0.0.0"/>
223.69.230.250	<input type="text" value="255.255.255.0"/>
192.12.35.105	<input type="text" value="255.255.255.0"/>
77.251.200.51	<input type="text" value="255.0.0.0"/>
189.210.50.1	<input type="text" value="255.255.0.0"/>

Host Addresses

Using the IP address and subnet mask shown write out the host address:

188.10.18.2	<u>0 . 0 . 18 . 2</u>
255.255.0.0	
10.10.48.80	<u>0 . 0 . 0 . 80</u>
255.255.255.0	
222.49.49.11	<input type="text" value="0.0.0.11"/>
255.255.255.0	
128.23.230.19	<input type="text" value="0.0.230.19"/>
255.255.0.0	
10.10.10.10	<input type="text" value="0.10.10.10"/>
255.0.0.0	
200.113.123.11	<input type="text" value="0.0.0.11"/>
255.255.255.0	
223.169.23.20	<input type="text" value="0.0.23.20"/>
255.255.0.0	
203.20.35.215	<input type="text" value="0.0.0.215"/>
255.255.255.0	



Question#01:

Source IP: 192.168.43.137

Destination IP: 129.67.242.154

Question#02:

If this were application layer, it would have source and destination port numbers. However, this is using network layer so those are not needed.

Question#03:

Type: 8

Code: 0

Other fields are checksum, identifier (BE), identifier (LE), sequence numbers, Data. The identifier, checksum and sequence fields have 2 bytes.

Question#04:

Type: 8

Code: 0

Other fields are checksum, identifier (BE), identifier (LE), sequence numbers, Data. The identifier, checksum and sequence fields have 2 bytes.