

Default Subnet Mask and IP Address Class

Provide the correct **default dotted decimal subnet mask** for each of the following addresses:

177.100.18.4	
119.18.45.0	
191.249.234.191	
223.23.223.109	
10.10.250.1	
126.123.23.1	
223.69.230.250	
192.12.35.105	
77.251.200.51	
189.210.50.1	
88.45.65.35	
128.212.250.254	
193.100.77.83	
125.125.250.1	
1.1.10.50	
220.90.130.45	
134.125.34.9	
95.250.91.99	

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Address Class Identification

Circle the **network** portion of these addresses based on the class of the address and the default subnet mask.

177.100.18.4	192.200.15.0	150.10.15.0
119.18.45.0	95.0.21.90	192.14.2.0
209.240.80.78	33.0.0.0	148.17.9.1
199.155.77.56	158.98.80.0	193.42.1.1
117.89.56.45	217.21.56.0	126.8.156.0
215.45.45.0	10.250.1.1	220.200.23.1

Circle the **host** portion of these addresses based on the class of the address and the default subnet mask.

10.15.123.50	191.41.35.112	195.0.21.98
171.2.199.31	155.25.169.227	25.250.135.46
198.125.87.177	192.15.155.2	171.102.77.77
223.250.200.222	123.102.45.254	55.250.5.5
17.45.222.45	148.17.9.155	218.155.230.14
126.201.54.231	100.25.1.1	10.250.1.1

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Convert the dotted decimal subnet mask to the **correct IP Prefix** for each of the following addresses:

220.90.130.45 255.255.255.0	
134.125.34.9 255.255.0.0	
95.250.91.99 255.0.0.0	
223.23.223.109 255.255.255.248	
10.10.250.1 255.254.0.0	
126.123.23.1 255.255.224.0	
223.69.230.250 255.255.255.252	
192.12.35.105 255.255.255.128	
77.251.200.51 255.255.255.224	
189.210.50.1 255.255.248.0	
88.45.65.35 255.240.0.0	
128.212.250.254 255.255.192.0	
193.100.77.83 255.255.255.128	
125.125.250.1 255.255.128.0	
1.1.10.50 255.224.0.0	
177.100.18.4 255.255.255.240	
119.18.45.0 255.255.252.0	
191.249.234.191 255.255.255.192	