1. What is the Subnet Mask corresponding to a shorthand of /21?

Answer: 255.255.248.0

2. What is the first valid host on the network 10.88.192.0/26?

Answer: 10.88.192.1

3. What is the last valid host on the network that the host 10.16.33.95 255.255.255.192 is a part of?

Answer: 10.16.33.126

4. what is the subnet the host 10.236.77.230/27 belongs to?

Answer: 10.236.77.224/27

5. What is the total number and used number of IP addresses in the 10.71.59.160/27 subnet?

Answer: Total IP addresses: 32

Usable IP addresses: 30