

- Scenario 1

Hosts	Bits	Network Address	Subnet Mask
60	6	192.168.10.0/26	255.255.255.192
28	5	192.168.10.64/27	255.255.255.224
12	4	192.168.10.128/28	255.255.255.240

- Scenario 2

Step 1: Number of Subnets needed

1. Sw1 = 16
2. Sw2 = 32
3. Sw3 = 32
4. Sw4 = 64

Step 2: Determine subnet mask for each

	Subnet Mask	No.of Hosts	First usable IP
a.	255.255.255.240	14	172.31.103.1/28
b.	255.255.255.224	30	172.31.103.17/27
c.	255.255.255.224	30	172.31.103.33/27
d.	255.255.255.192	62	172.31.103.65/26