Base networking:192.168.1.0

No of subnets=3

No , of subnets = 2^n

2^n = 3 🡺 n =2

Class C = 255.255.255.0 🡺 11111111.11111111.11111111.00000000

After borrowing 2 bits

New binary =11111111.11111111.11111111.11000000

New sm :255.255.255.192

Block size =64

1st Subnet

Newtwork ID:

Broadcast ID:

Host range:

1st Subnet

Newtwork ID:192.168.1.0

Broadcast ID: 192.168.1.63

Host range:192.168.1.1-192.168.1.62

2st Subnet

Newtwork ID:192.168.1.64

Broadcast ID:192.168.1.127

Host range:192.168.1.65-192.168.1.126

3st Subnet

Newtwork ID:192.168.1.128

Broadcast ID:192.168.1.191

Host range:192.168.1.129-192.168.1.190