1. $2^{16} = 65536$
2. $2^{16} - 2 = 65534$
3. 00001110.00100000.00001001.00000011
4. Class A as higher order bit is 0.
5. $2^6 - 2 = 62$ Host IP addresses.
6. 18.10.16.43 – Class A as higher order bit is 0.
7. 18.0.0.0/8
8. 18.255.255.255/8
9. 18.0.0.1/8
10. 18.255.255.254/8
11. Network Address: 198.13.3.160/27 and Subnet mask: 255.255.255.224
12. 192.177.23.255/21
13. 2046 and 5th last usable host: 192.177.23.250/21
14. 166.157.0.135/16
15. 255.255.252.0

17.172.200.160.0/23
172.200.161.0/23
172.200.162.0/23