Networking scenarios

*There is a* ***scenario*** *where a network administrator needs to design a subnet plan for a company network that has been allocated the IP address range* ***192.168.0.0/24****. The company has multiple departments:* ***Sales (160 hosts), Marketing (125 hosts), IT (45 hosts) and Finance (80 hosts)****, each requiring its own subnet for better organisation and security.*

*The plan for the company’s subnet design are:*

* + *Determine the number of subnets needed.*
  + *Determine the number of hosts for each subnet.*