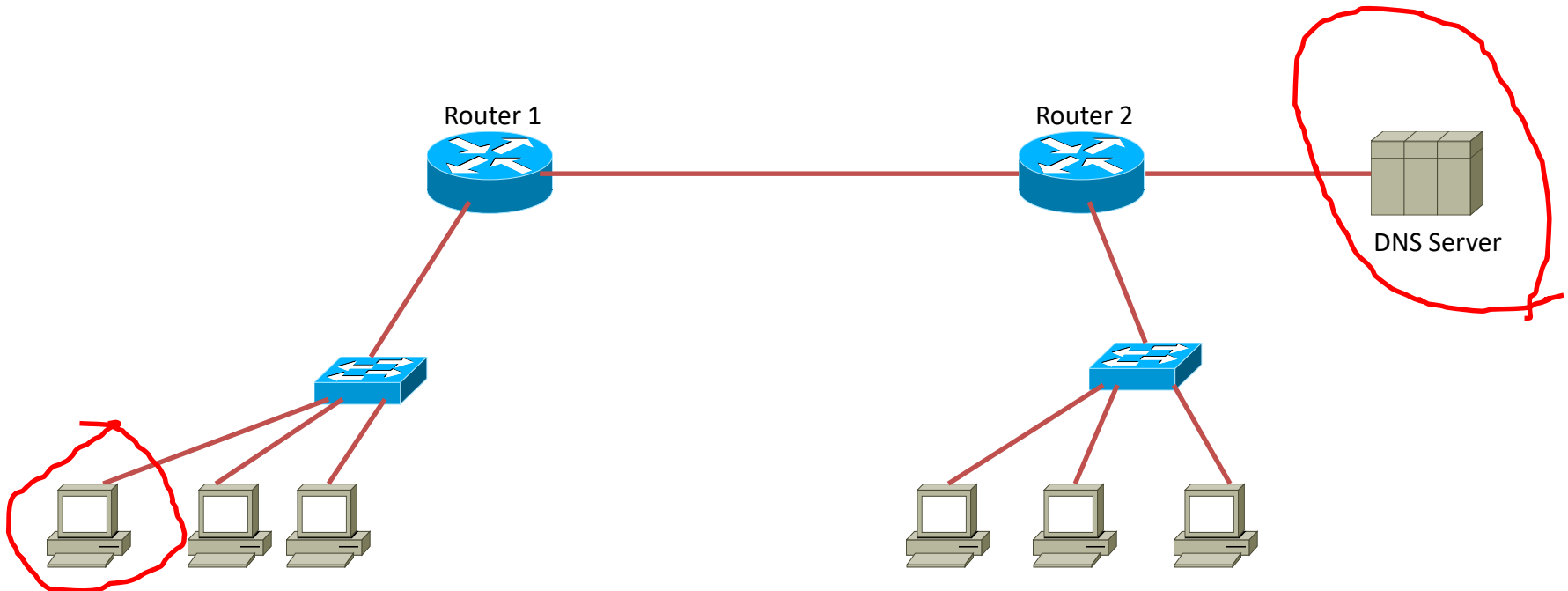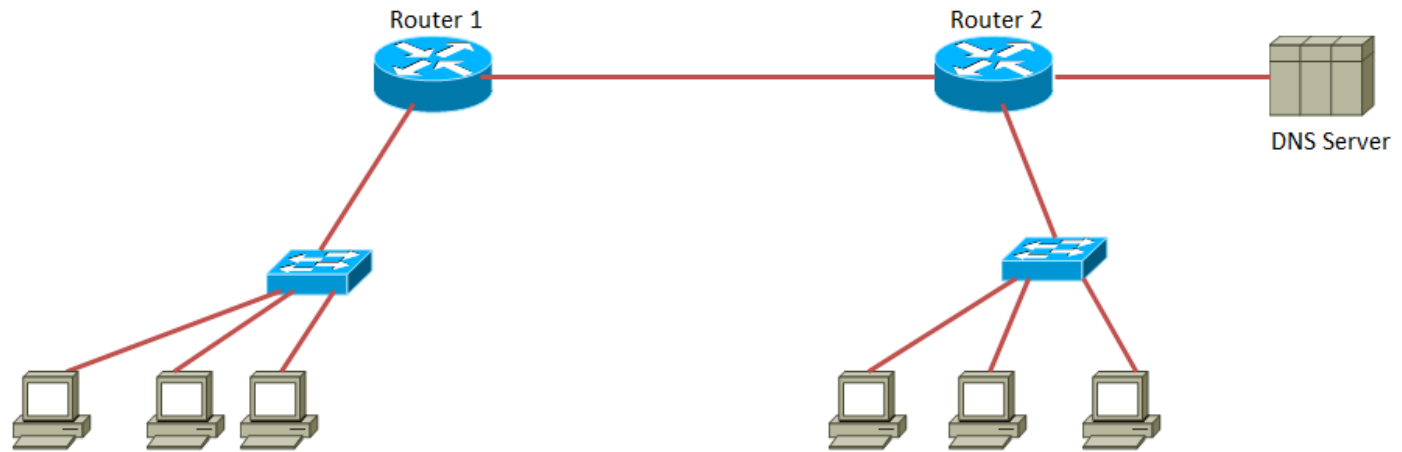# CST8108

Week 10 Review

Develop an addressing scheme for the network shown below.
You have been allocated 192.168.2.0/24
Each of the LANs should support 40 hosts
Use DHCP

Router 1

Router 2

DNS Server

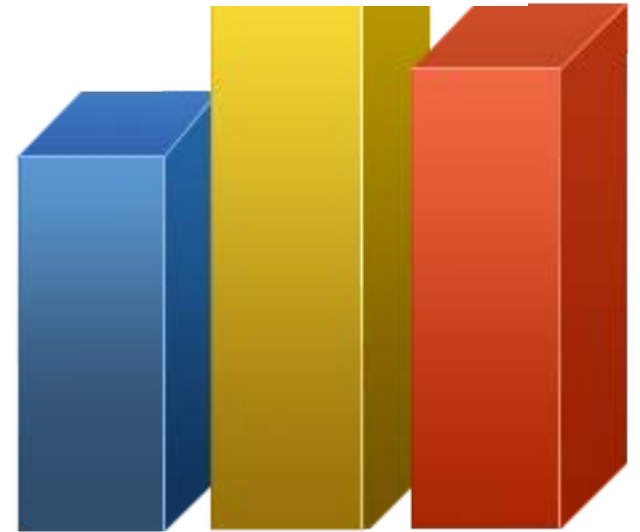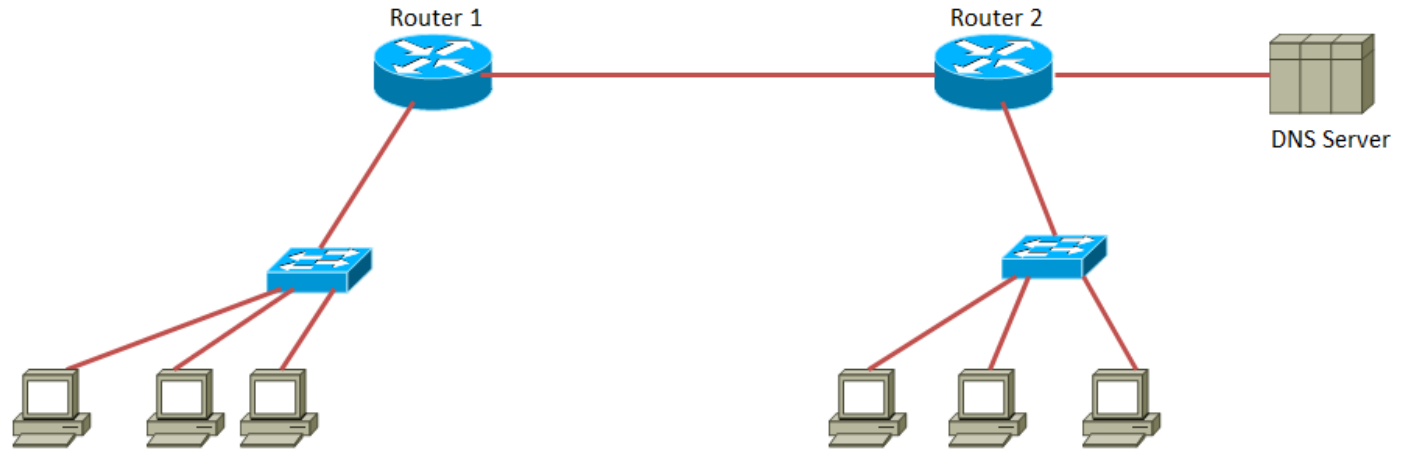# How many networks are there:

Router 1   Router 2   DNS Server

A 2

B 3

C 4

D 5

How many Broadcast Domains?

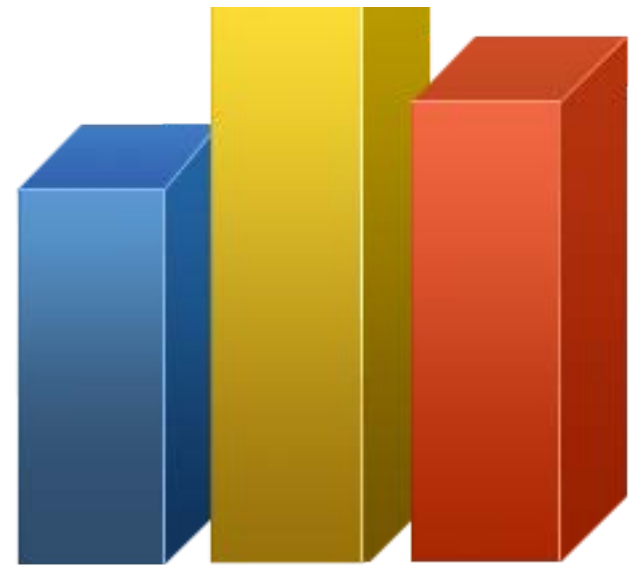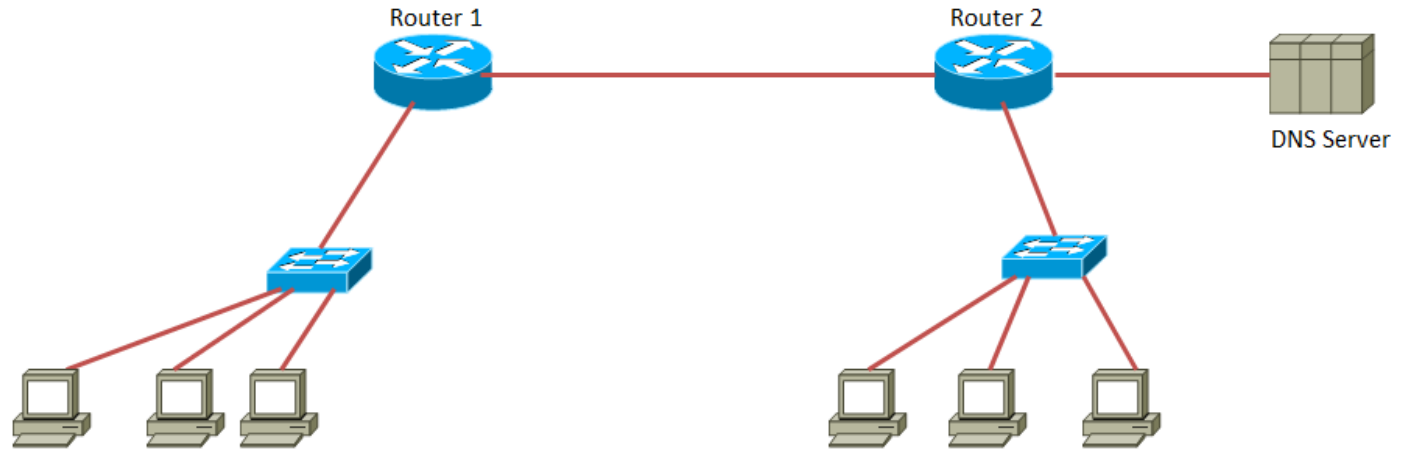Router 1   Router 2   DNS Server

A 3

B 4

C 5

D 6

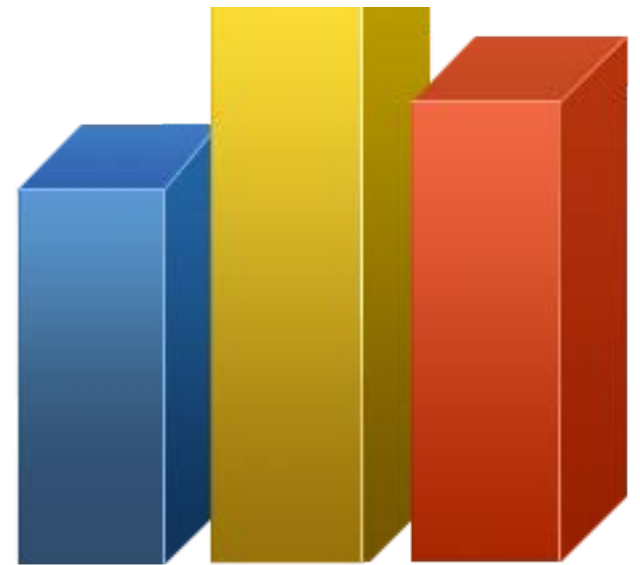# How Many Collision Domains?
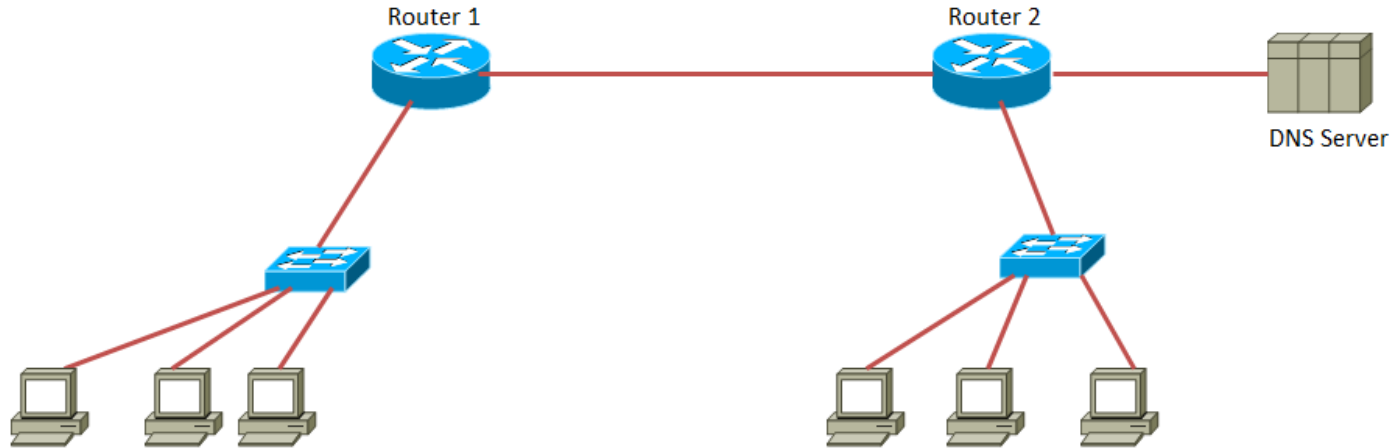

A 6

B 8

C 9

D 10

Would using VLSM be a good idea? Why?

A Yes

B No
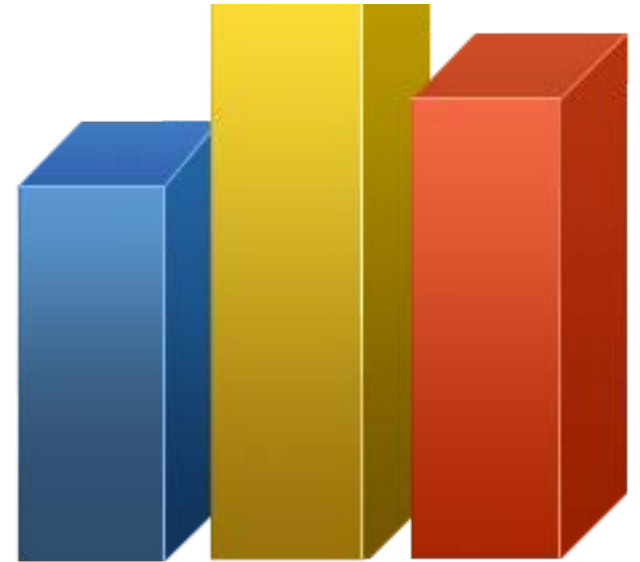
How many bits should be borrowed to subnet?
We will not be using VLSM

A | 2

B | 3

C | 4

D | 5

What is the subnet mask?

A 255.255.255.128

B 255.255.255.192

C 255.255.255.224

D 255.255.255.240

How many host will each subnet support?

A   32

B   30

C   64

D   62

Subnet Address	Mask	1st Usable	Last Usable	Broadcast

Which layer of the OSI model uses Ports?

A   1

B   2

C   3

D   4

E   5

F   6

G   7

Which is correct?

A TCP Packet

B TCP Segment

An Application layer Protocol Data Unit is called

A Data

B Segment

C App Data

D Packet

Which OSI layer does a MAC address belong to?

A   1

B   2

C   3

D   4

E   5

F   6

G   7

Which OSI layer does an IP address belong to?

A   1

B   2

C   3

D   4

E   5

F   6

G   7

Which OSI layer does a Hub belong to?

A 1

B 2

C 3

D 4

E 5

F 6

G 7

Which OSI layer does a Switch belong to?

A 1
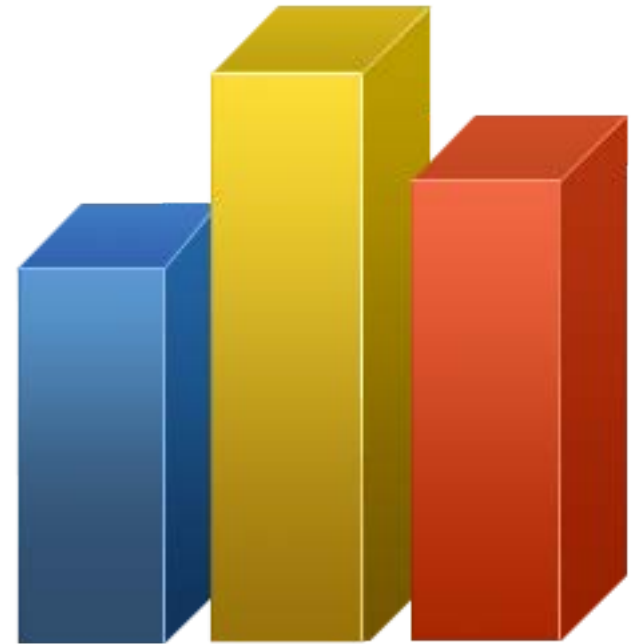
B 2

C 3

D 4

E 5

F 6

G 7

Which OSI layer does a Router belong to?

A   1

B   2

C   3

D   4

E   5

F   6

G   7

Which OSI layer does a CAT5e cable belong to?

A 1

B 2

C 3

D 4

E 5

F 6

G 7

A device that moves data between networks is a

A Repeater

B Hub

C Switch

D Router

E Bridge