# Lab 4.2.5.5 Calculating a VLSM Addressing Scheme



#### Objectives

- Determine the number of subnets needed.
- Determine the number of hosts needed for each subnet.
- Design an appropriate addressing scheme using VLSM.
- Assign IP configurations to device interfaces.
- Examine the use of the available network address space.

# **Answers Calculating A Vlsm Addressing Scheme**

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# **Answers Calculating A Vlsm Addressing Scheme:**

Introducing Routing and Switching in the Enterprise, CCNA Discovery Learning Guide Allan Reid, Jim Lorenz, Cheryl A. Schmidt, 2008-04-25 This is the eBook of the printed book and may not include any media website access codes or print supplements that may come packaged with the bound book Introducing Routing and Switching in the Enterprise CCNA Discovery Learning Guide is the official supplemental textbook for the Introducing Routing and Switching in the Enterprise course in the Cisco Networking Academy CCNA Discovery curriculum version 4 The course the third of four in the new curriculum familiarizes you with the equipment applications and protocols installed in enterprise networks with a focus on switched networks IP Telephony requirements and security It also introduces advanced routing protocols such as Enhanced Interior Gateway Routing Protocol EIGRP and Open Shortest Path First OSPF Protocol Hands on exercises include configuration installation and troubleshooting The Learning Guide's features help you focus on important concepts to succeed in this course Chapter Objectives Review core concepts by answering the focus questions listed at the beginning of each chapter Key Terms Refer to the lists of networking vocabulary introduced and highlighted in context in each chapter The Glossary defines each key term Summary of Activities and Labs Maximize your study time with this complete list of all associated exercises at the end of each chapter Check Your Understanding Evaluate your readiness with the end of chapter questions that match the style of questions you see in the online course quizzes The answer key explains each answer Challenge Questions and Activities Apply a deeper understanding of the concepts with these challenging end of chapter questions and activities The answer key explains each answer Hands on Labs Master the practical hands on skills of the course by performing all the tasks in the course labs and additional challenge labs included in Part II of the Learning Guide This book is part of the Cisco Networking Academy Series from Cisco Press Books in this series support and complement the Cisco Networking Academy curriculum <u>Introduction to Networks Companion Guide</u> Cisco Networking Academy, 2013-11-15 Introduction to Networks Companion Guide is the official supplemental textbook for the Introduction to Networks course in the Cisco Networking Academy CCNA Routing and Switching curriculum The course introduces the architecture structure functions components and models of the Internet and computer networks The principles of IP addressing and fundamentals of Ethernet concepts media and operations are introduced to provide a foundation for the curriculum By the end of the course you will be able to build simple LANs perform basic configurations for routers and switches and implement IP addressing schemes The Companion Guide is designed as a portable desk reference to use anytime anywhere to reinforce the material from the course and organize your time. The book's features help you focus on important concepts to succeed in this course Chapter Objectives Review core concepts by answering the focus questions listed at the beginning of each chapter Key Terms Refer to the lists of networking vocabulary introduced and highlighted in context in each chapter Glossary Consult the comprehensive Glossary with more than 195 terms Summary of Activities and

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