

Custom Subnet Masks Answer Key

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Custom Subnet Masks Answer Key

Answers to Subnetting and Creating Custom Subnet Masks Practice Problems Answers assume Non-RFC 1812 networks (must subtract 2 from the number of Host IDs). Specify The Correct Default Subnet Mask for the Following Addresses:
Review: Default Subnet Masks Recommended Process Determine address class of address. Determine appropriate default ...

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Answers to Subnetting and Creating Custom Subnet Masks ...

a custom subnet mask. A custom subnet mask borrows bits from the host portion of the address to create a subnetwork address between the network and host portions of an IP address. In this example each range has 14 usable addresses in it. The computer must still AND the IP address against the custom subnet mask to see what the network portion is and

IP Addressing and Subnetting - Leaman

the default 16-bit subnet mask yields 27 subnet bits and makes the new subnet mask 255.255.255.224. Using 11 bits for subnetting provides 2046 subnets with a maximum of 30 hosts per subnet. To find the subnet address interval, use the following procedure. Convert the subnet mask 255.255.255.224 into binary. Next, convert the lowest order

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Subnetting Questions And Answers Pdf

255.255.255.0: This is the default subnet mask for Class C, but can be a custom Class A with 16 bits for the subnet ID or a Class B with 8 bits for the subnet ID. Key Concept: Each of the three IP unicast/broadcast address classes, A, B and C, has a default subnet mask defined that has a one for each bit of the class's network ID, a zero bit for each bit of its host ID, and no subnet ID bits.

The TCP/IP Guide - IP Default Subnet Masks For Address

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see what the network portion is and

IP Addressing and Subnetting

The default subnet mask has a standard size. The custom subnet mask allows you to make subnets that are smaller or larger than the default.

What is a custom subnet mask? - Answers

When a 255.255.255.224 subnet mask is used, the first three bits of the last octet are part of the network portion for an IPv4 address in the subnet. For the 192.168.5.96/27 network, valid host addresses are 192.168.5.97 through 192.168.5.126.

CCNA 1 Final Exam Answers 2019 (v5.1+v6.0)

Introduction to ...

A 240 mask is 4 subnet bits and provides 16 subnets, each with 14 hosts. We need more subnets, so let's add subnet bits. One

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more subnet bit would be a 248 mask. This provides 5 subnet bits (32 subnets) with 3 host bits (6 hosts per subnet). This is the best answer.

Subnetting Questions and Answers updated daily - Networking

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Answers. A1- $256-2=254$ - Why? host addresses of all 0's and all 1's are not allowed. A2-Yes you only need 8 bits for 100 hosts and both subnet masks would give you that. A subnet mask of 255.255.255.0 would give you lots of networks (2¹⁶) and 254 hosts. A subnet of 255.255.0.0 would give you lots of hosts (approx 2¹⁶) and 256 networks.

Subnetting and Subnet Masks Explained - Steve

Binary values-128 64 32 16 8 4 2 1. 128 64 32 16 8 4 2 1 165.
100. 0 0 0 0 0 0 0 0. 0 0 0 0 0 0 0 0 Add the binary value numbers to the left of the line to create the custom subnet

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mask. 12 8 6 4 3 2 1 6 8 4 2 +1 12 8 +6 4 19 2 Observe the total number of hosts.-2 Subtract 2 for the number of 62 usable hosts. 255 Problem 3 Custom Subnet Masks Network Address 148.75.0.0 / 26 Address class ...

Number of 16 8 4 2 1 Binary values Add the ... - Course Hero

Quick Answer: 175 Detailed Answer: 178 Widget, Inc., uses the Class B address 172.30.0.0/16 to address its organization. The western region of the organization (shown in Figure 8.6) has been allocated the 172.30.32.0/20 block. As the administrator of the Phoenix office, you are required to allocate valid subnets to the HQ and three branch offices shown in Figure 8.6.

CCNA Exam Questions: Subnetting, VLSM, and IPv6 | Quick ...

May 2nd, 2018 - CCNA Subnetting Questions What subnet mask

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will allow for 128 hosts on a subnet choose the best two answers
Fastest way to answer questions involving 'IP Addressing And
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Workbook VLSM Variable Length Subnet Mask IWorkbooks A
Custom Subnet Mask Borrows Bits From The Host Portion Of The'

Vlsm Subnetting Questions And Answers

What are the subnet addresses? Answer: $256-192=64$ (the first subnet)
 $64+64=128$ (the second subnet)
 $64+128=192$. However, although 192 is the subnet mask value, it's not a valid subnet.
The valid ...

Subnetting a Class C network address - TechRepublic

Answers to Subnetting and Creating Custom Subnet Masks
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(must subtract 2 from the number of Host IDs). Specify The
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Review: Default Subnet Masks Recommended Process Determine address class of address. Determine appropriate default subnet mask.

Subnetting_Answers(2) - Learn To Subnet A Free Lecture

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Easiest is to sub net on a byte boundary which would mean a subnet mask of 255.255.255.0. This would allocate 8 bits for the subnet and 8 bits for the host. We need to accommodate around 200 hosts which requires 8 bits which we have. We need 4 subnets which require 4 bits and we have 8 bits. So we have more than enough.

Subnetting Worked Examples and Exercises

A custom subnet mask borrows bits from the host portion of the address to create a subnetwork address between the network and host portions of an IP address. In this example each range

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has 14 usable addresses in it. The computer must still Answers and Explanations | CCNA Exam Questions: Subnetting ...

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The custom subnet mask allows you to make subnets that are smaller or larger than the default. What is the subnet mask of IP address 188.88.0.0? The default subnet mask is 255.255.0.0

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