

## Re: Subnetting question on Sybex Book

**Source:**

<http://www.tech-archive.net/Archive/Certification/microsoft.public.cert.exam.mcsa/2005-03/0222.html>

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**From:** blastingfonda (*blastingfonda\_at\_gmail.com*)

**Date:** 03/19/05

Date: 19 Mar 2005 12:53:57 -0800

If it is indeed a class B address, your subnetting is correct – 64 subs and 1024 hosts for the first subnet, 128 subs and 512 hosts for the second. If the original address is a class A address (with a default subnet mask of 255.0.0.0), it then does indeed come out to  $2^{14}$  or 16,384 subnets for the first address and  $2^{15}$  or 32,768 subnets for the second.

It's all dependent on what the original address / class you are subnetting is as stated in the question.

I've seen plenty of mistakes in all of these prep books, particularly in the sample tests / Q & A sections. Very frustrating to say the least but sometimes you just have to shake your head and move on to the next question.

anonymous@discussions.microsoft.com wrote:

> Now, I thought I had understood how subnetting works  
> before reading this question and related explanation. I  
> would have thought:  
>  
> 255.255.252.0 = 64 subs / 1024 hosts  
> 255.255.254.0 = 128 subs / 512 hosts

> Is there something wrong with the book or am I missing  
> something ?  
>  
> Thank you.

anonymous@discussions.microsoft.com wrote:

> I hope this is the right place for this sort of things:  
>  
> I'm reading the Sybex Book "Server 2003 Network  
> Infrastructure Implementation, Management, and Maintenance  
> Study Guide" for the exam 70-291.  
>  
> I thought that I had a basic grasp of subnetting until I  
> got to question 8 on pag. 71 (for those who have a copy).

- >
- > *Basically, the explanation says the following things,*
- > *among others:*
- >
- > *Start Quote:*
- >
- > *The subnet mask 255.255.252.0 supports more than 16,000*
- > *subnets and more than 1000 hosts.*
- >
- > *The subnet mask 255.255.254.0 supports more than 32,000*
- > *subnets but only 500 hosts per subnet, which are not*
- > *enough hosts to cover all the locations.*
- >
- > *End Quote*
- >
- > *Now, I thought I had understood how subnetting works*
- > *before reading this question and related explanation. I*
- > *would have thought:*
- >
- > *255.255.252.0 = 64 subs / 1024 hosts*
- > *255.255.254.0 = 128 subs / 512 hosts*
- >
- > *Since we are talking about a class B network, how is that*
- > *supposed to hold 16 Ml hosts ?*
- >
- > *Is there something wrong with the book or am I missing*
- > *something ?*
- >
- > *Thank you.*