



Congratulations! You passed!

TO PASS 80% or higher

Keep Learning

GRADE

100%

The Network Layer

TOTAL POINTS 2

1. Please select all of the valid IP addresses. Check all that apply.

1 / 1 point

☒ 192.168.1.1



Correct

Great work! 192.168.1.1 is a valid IP address.

☐ 257.70.312.49

☐ 123.456.123.456

☒ 8.8.8.8



Correct

Nice job! 8.8.8.8 is a valid IP address.

2. What happens to the TTL field of an IP datagram every time it reaches a router?

1 / 1 point

- ☐ The TTL field is incremented by one.
- ☒ The TTL field is decremented by one.
- ☐ The TTL field is used for a cyclical redundancy check.
- ☐ The TTL field is reset to zero.



Correct

You got it! At every router hop, the TTL field is decremented by one until it reaches zero, causing the datagram to be discarded.