Questions to answer in your lab report:   
1. While on speedtest.net, not the other speed test sites, take a screenshot of your result and put that screenshot in your lab report. Here is an example of my screenshot. Your result will be different from mine, but yours should contain the same data, like upload speed, download speed, ping, and servers used. A screenshot of a computer

Description automatically generated with medium confidence  
2. What was the minimum and maximum download speed you recorded at each of these sites. Include the speed, and the site at which the speed was recorded.

Speedtest down 764

Fast.com 780 down

Unable to do dslreports.com/speedtest

Bandwidthplace.com 421 down

3. What was the minimum and maximum upload speed you recorded at each of these sites. Include the speed, and the site at which the speed was recorded.

Speedtest 941 up

Fast.com 820 up

Unable to do dslreports.com/speedtest

Bandwidthplace.com 658 up

4. Was there a significant difference in download and upload speed?

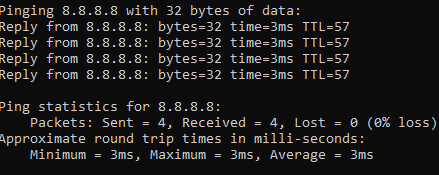
Yes   
a. What was the difference?

Download was significantly lower then upload  
b. What factors do you think could be contributing to this difference?

Could be caused by other devices also being shared in the network  
5. What was the minimum and maximum latency you recorded?

Maximum was 8 and min was 1  
6. Is the device you used to run these tests using a wired ethernet connection, or a WiFi connection? Wired  
a. How could the type of network connection impact your results?

Since there are walls between my computer and the router, I would have more latency with wifi then wired

7.   
Include in lab report:   
8. What were the minimum, maximum, and average ping times for all 14 IP addresses in the United States and World boxes? (all in ms)

Uvu- 4 min 4 max 4 ave

Lehi- 0 min 0 max 5 ave

LA- 100% loss all timeout

Denver- 100% loss all timeout

NewYork- 65 min 65max 65 ave

Hawaii 87 min 87 max 87ave

Russia- 161 min 162 max 161 ave

Japan – 136 min 138 max 136 ave

Australia – 163 min 164 max 163 ave

Canada – 33 min 33 max 33 ave

Brazil- 150 min 151 max 150 ave

Ireland – 77 min 77 max 77 ave

South Africa- 326 min 331 max 327 ave

India 230 min 230 max 230 ave

9. For the United States, what location had the lowest minimum ping time?

Lehi  
10. For the United States, what location had the highest minimum ping time?

New york not counting the timeouts  
11. For the World, what location had the lowest minimum ping time?

Canada  
12. For the World, what location had the highest minimum ping time?

South Africa  
13. What location had the greatest difference in its minimum and maximum ping times?

South Africa  
a. What do you think could have caused such a variance in ping times, especially   
given that both times were for the same location?

Unstable network causing packet loss or some sort of packet loss  
14. Distance is usually the greatest factor in latency. With that being said, what other factors would cause the increased ping times you saw in the United States ping times vs. the World ping times? (You can reverse this question if you saw higher ping times for the World compared to the United States.)

Loss of node causing rerouting in the network