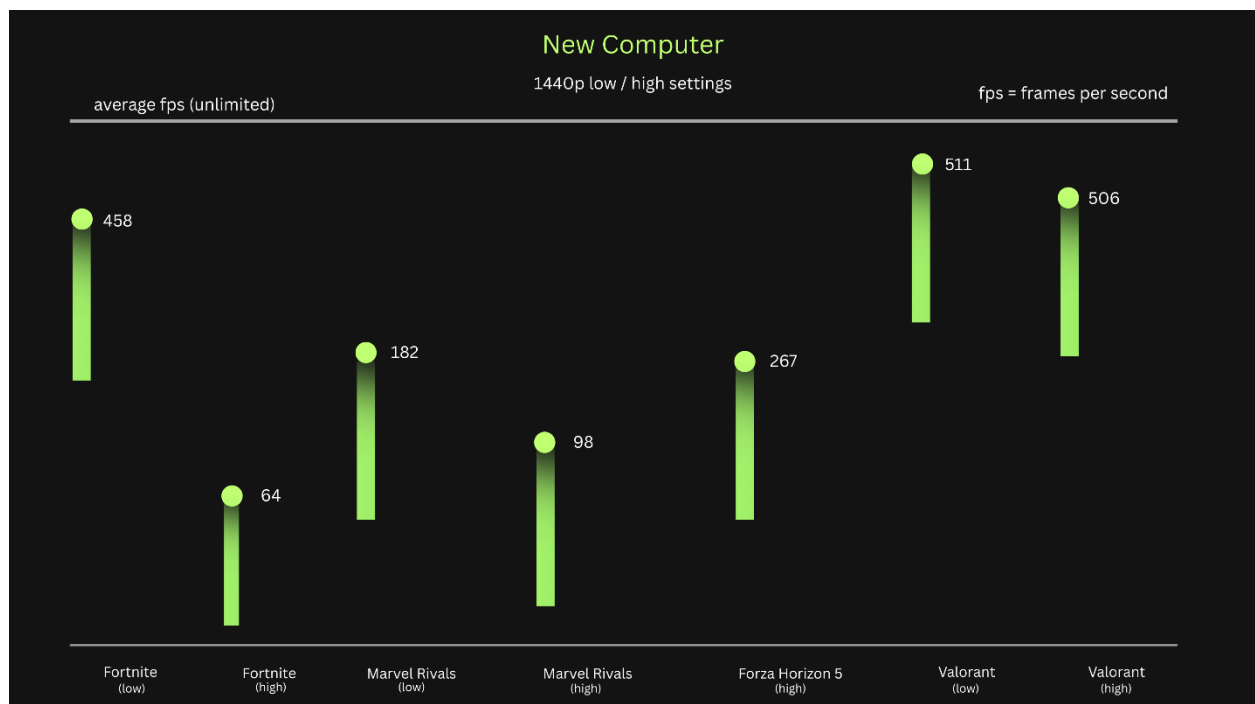
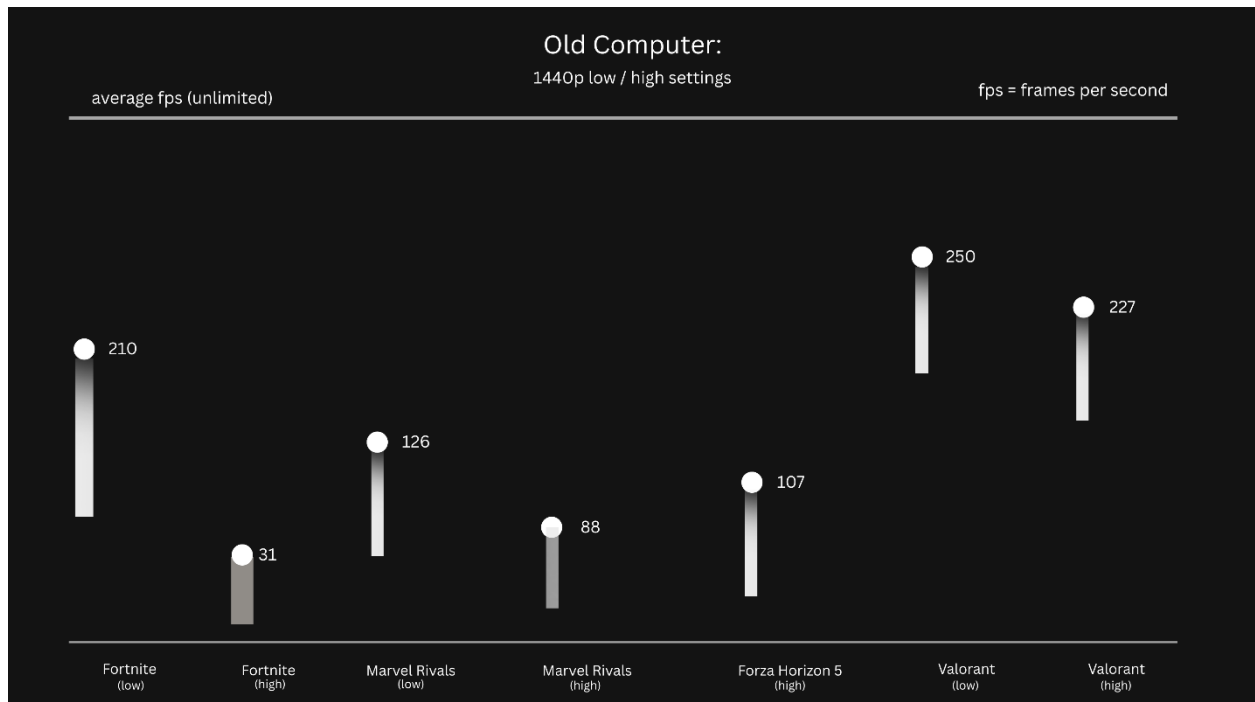


FPS Values

Below are graphs which measures fps also known as “frames per second” which means how smooth the gameplay experience is think of It like a flipbook the more times your flip the page the smoother it is, and this is what I’m testing for each game. And how much faster is it compared to my new computer? This is why I’m testing games that don’t take much power and component utilisation and high also with high utilisation to put the computer under different situations to see how it performs and to see on average as a percentage or value how much faster?



Fortnite: On average it is 70% percent faster than my old computer with almost doubling in performance.

Marvel Rivals: On average, it is 40% faster than my old computer as this game is very demanding, not even the best computers can get many more frames than I have.

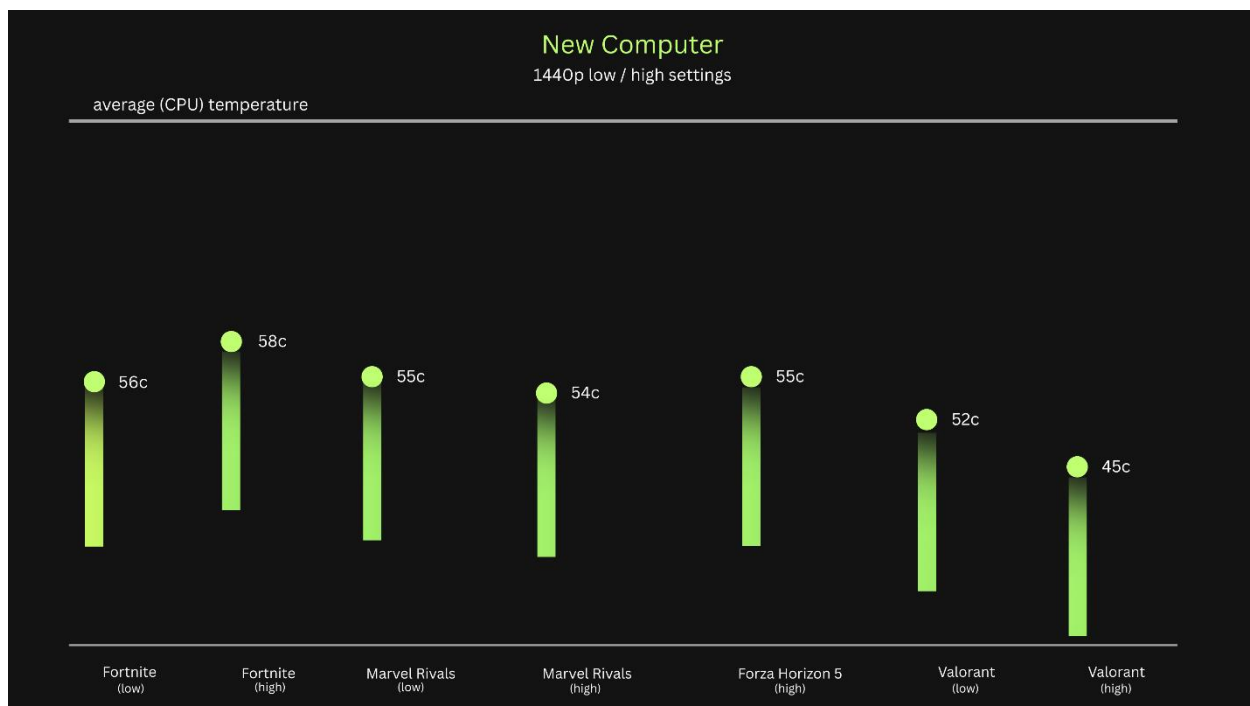
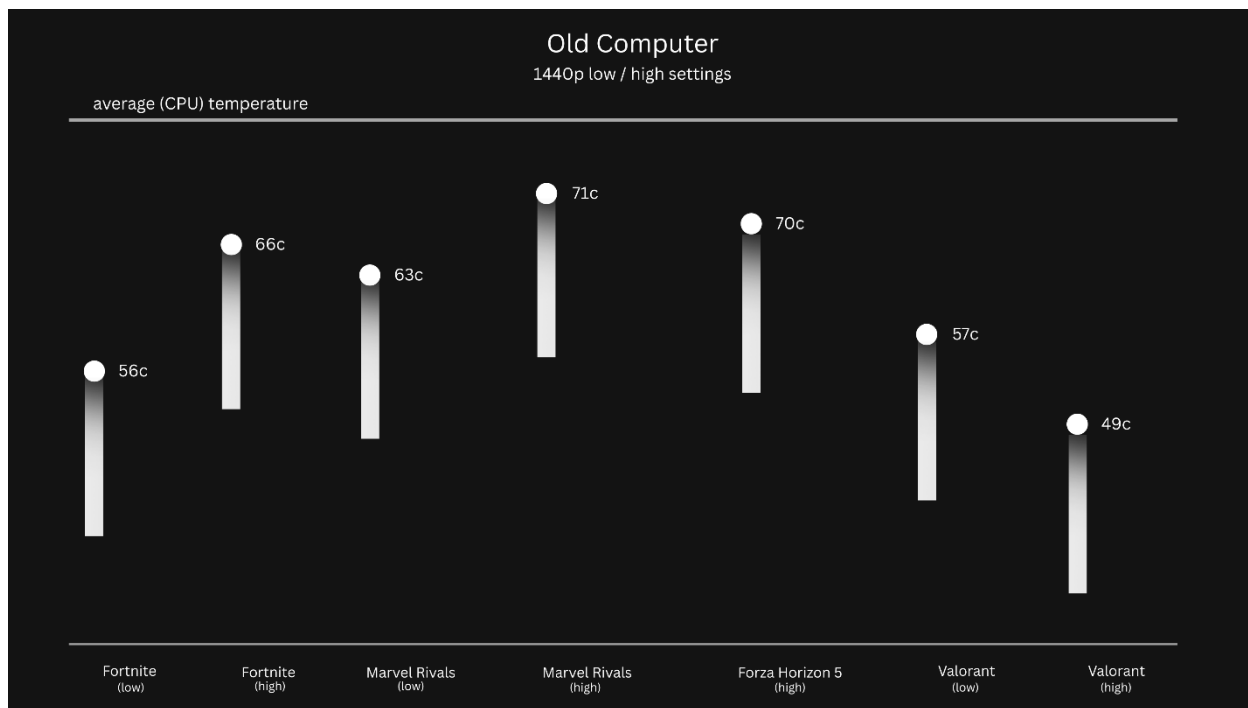
Forza Horizon 5: On average, it is 85% faster, nearly doubling the frame rate and performance.

Valorant: On average, it is 68% faster as this game is a CPU bound game that has low graphics and is nearly the highest performance boost out of all the games tested

Conclusion: On average my computer, across all games, is 65% percent faster compared to my old computer, which is a big improvement which is nearly double the performance in most games.

CPU Temperature

Below are graphs that are measuring the temperature of the CPU (Central Processing Unit) good cooling is one of the top priority's while building or using a pc this is why you should invest in good cooling for your system, the CPU gets utilised more in lower graphic games that don't use the GPU (Graphics Processing Unit) as much to render in high graphics this why I tested multiple games for instance one game can be heavy on the CPU meanwhile on the other hand another game can be more bound on GPU to work harder and they need to stay cool or you will face issues. And that's why I wanted to see how much cooler my old computer compared to my new computer and was there a big difference and how much cooler in value or percentage?



Fortnite: the CPU on my old computer compared to my new computer is on average 12% cooler as the numbers are so similar because Fortnite is mainly a low graphic game which utilises the CPU more.

Marvel Rivals: the CPU is on average 20% cooler than my old computer as the CPU isn't utilised as much because it's a graphics heavy game.

Forza Horizon 5: the CPU on average is 25% cooler than my old computer because again this is a GPU bound heavy high graphic game.

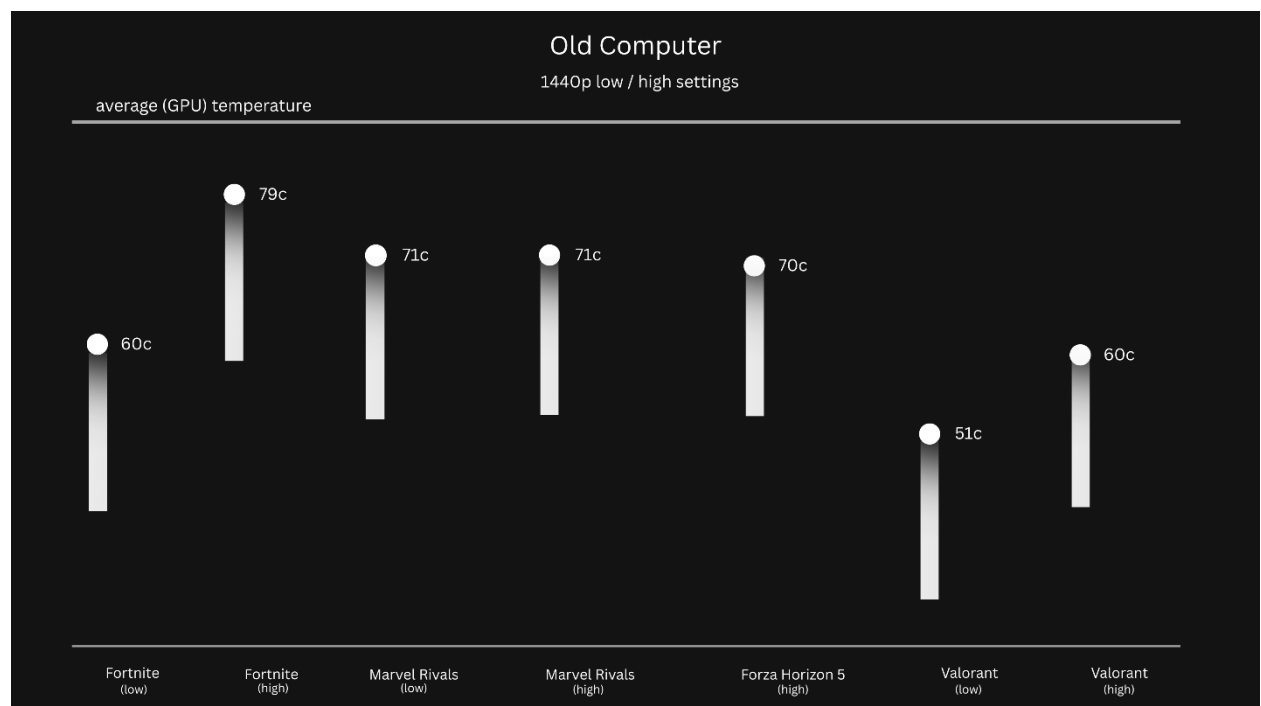
Valorant: the CPU on average is 8% cooler than my old computer as it is a very low graphic game that the computer doesn't need to work so hard to play.

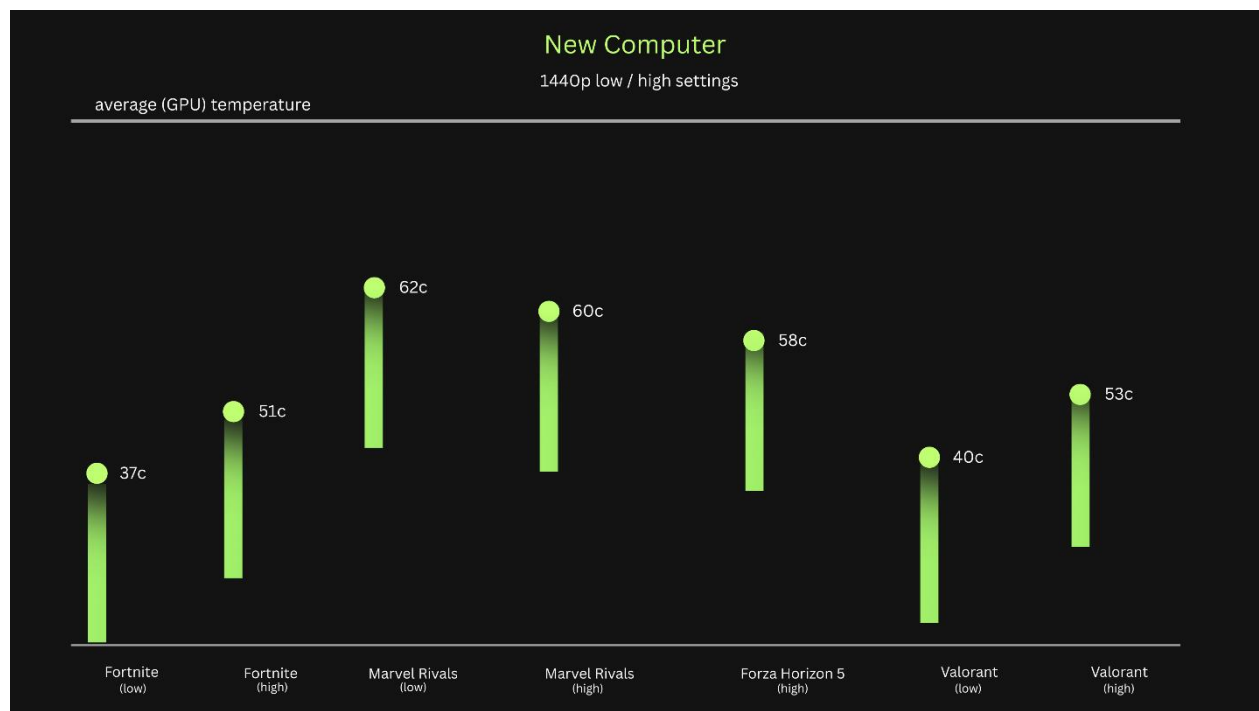
Conclusion: On average the CPU is 16% cooler, which may not sound like a lot but it is as my CPU does not get as hot anymore compared to the old computer but the cooler it is the better.

GPU Temperature

Below are graphs that measure the temperature of the GPU (Graphics Processing Unit)

The GPU is the most expensive computer part meant for high graphics games and can get hot if you don't have the right cooling or fans for it, and I wanted to see the difference in the temperature compared to my old computer to my new computer how much cooler is my GPU in a value or percent.





Fortnite: the GPU (Graphics Processing Unit) on average is 45% cooler which is amazing and this gives better performance.

Marvel Rivals: the GPU is on average 13% cooler which is great because the highest I will probably see it go up is 60 degrees ever.

Forza Horizon 5: the GPU on average is 18% cooler which is nearly 20 percent much cooler.

Valorant: the GPU on average is 18% cooler which is very cool, and this game is the coolest my Graphics Card has ever been.

Conclusion: my GPU on average is 25% cooler than my old computer which is much cooler than my old computer as it usually went into the 70 degrees range but now it sits at 40 degrees to 60 degrees while gaming.

