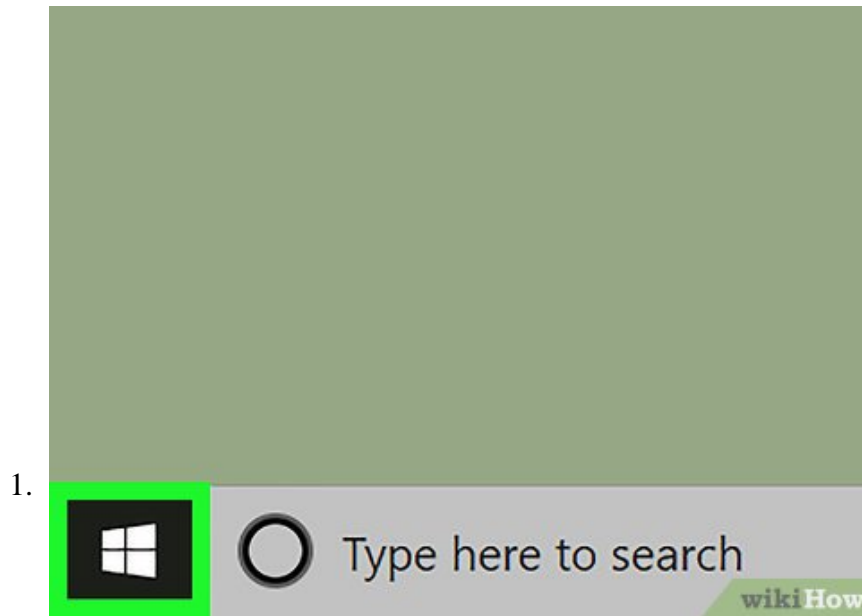


How to Increase Dedicated Video RAM on Windows Laptops with Intel Graphics

This wikiHow teaches you how to reallocate RAM as dedicated Video RAM (VRAM) on Windows laptops with integrated Intel graphics. You can use the Registry Editor to change the amount of Dedicated Video RAM on your computer. Click the Windows...

Method 1 of 2:

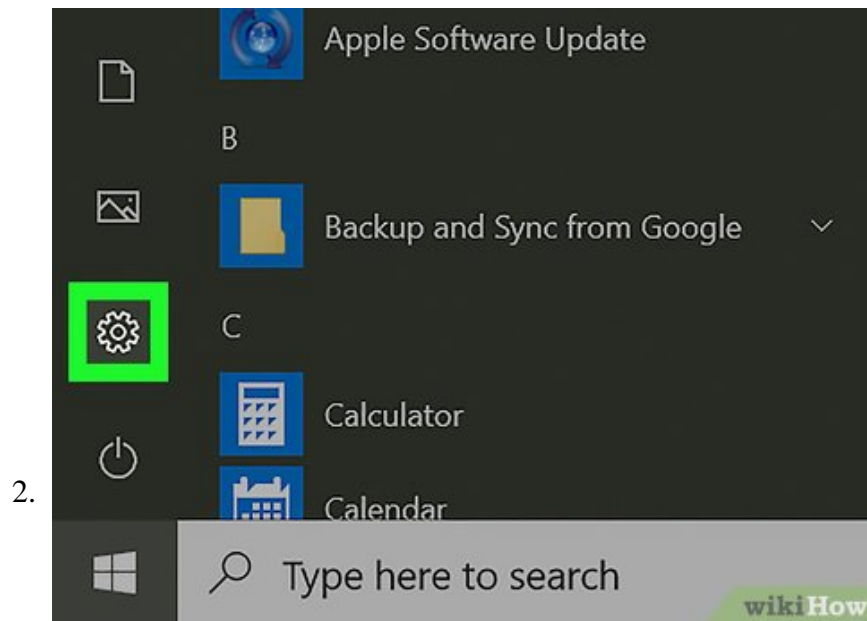
Checking Your Video RAM



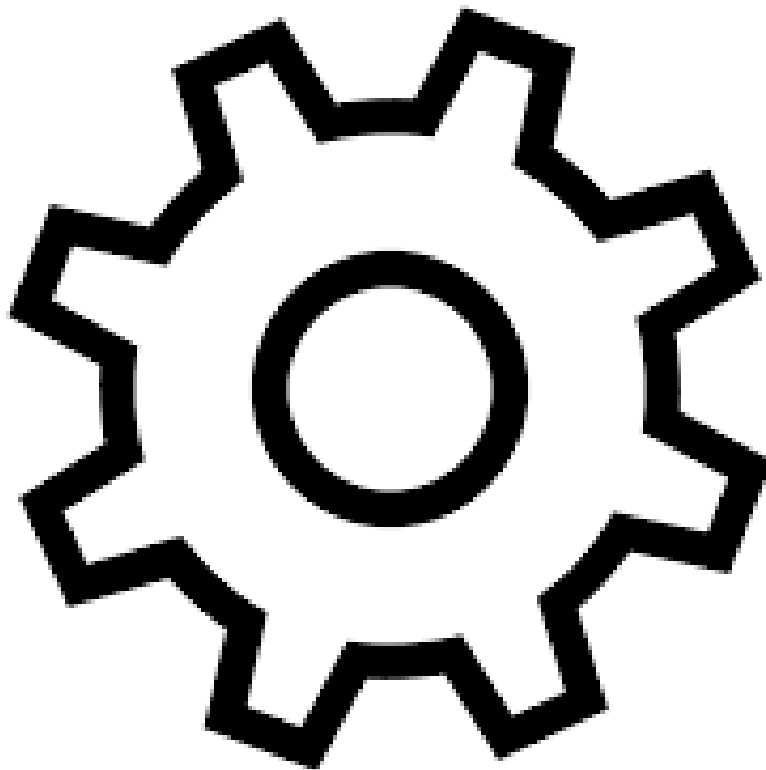
Click the Windows Start



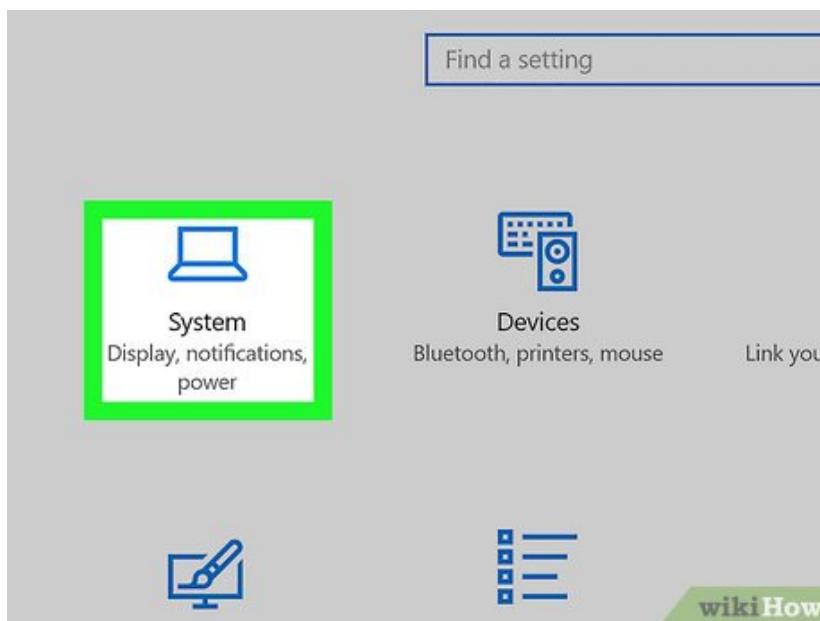
button. The Windows Start menu has the Windows logo. By default, it's the button in the lower-right corner in the taskbar.



Click Settings

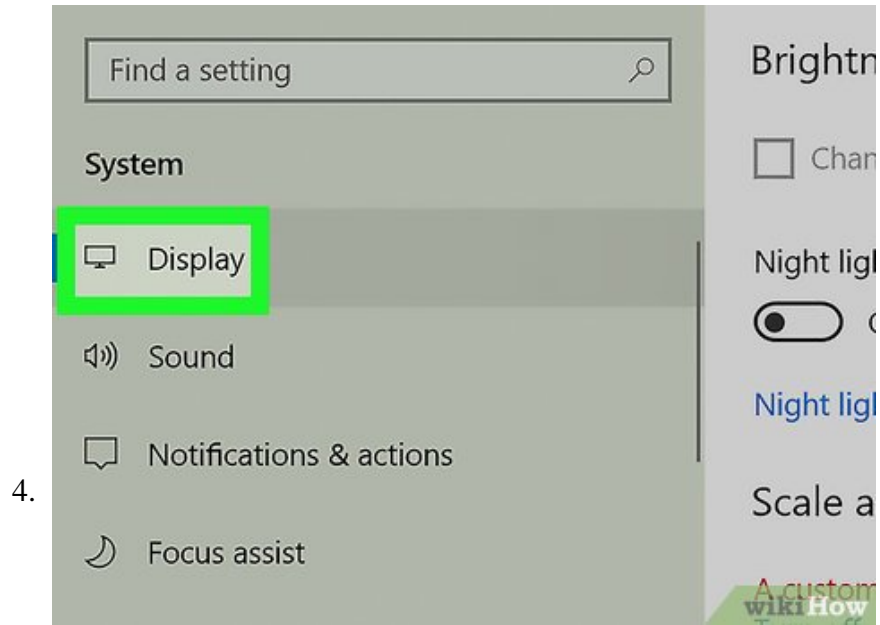


. The settings button is an icon that resembles a gear. It's in the sidebar to the left in the Windows Start menu.

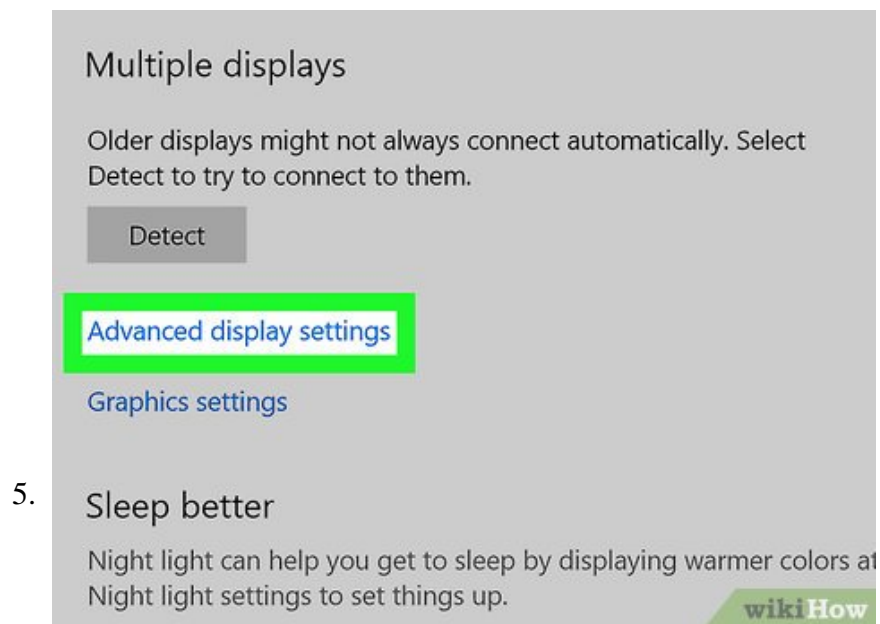


3.

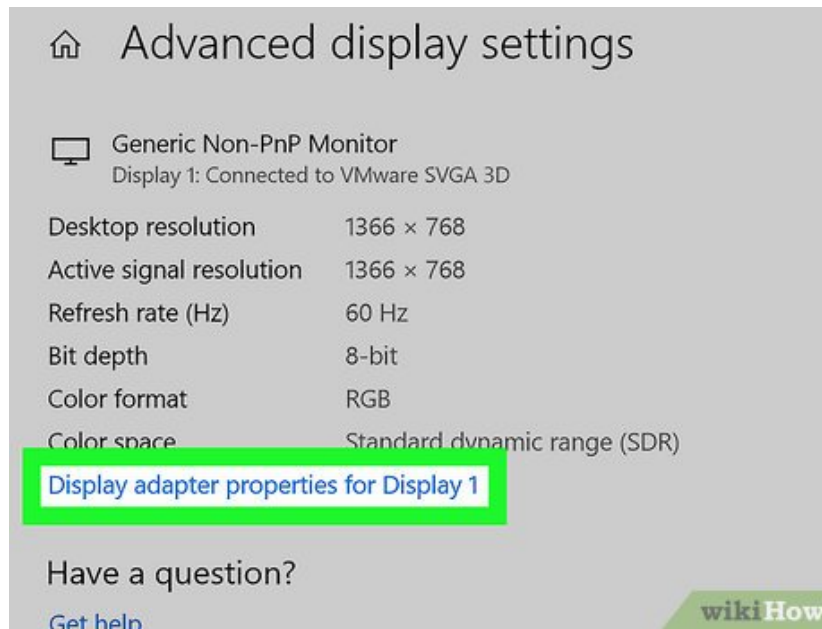
Click **System**. It's the first option in Settings. It's next to an icon that resembles a computer. This displays the System Settings menu



Click **Display**. It's the first option in the sidebar to the left of the System Settings menu. It's next to an icon that resembles a computer screen.



Scroll down and click **Advanced display settings**. It's towards the bottom of the Display menu.

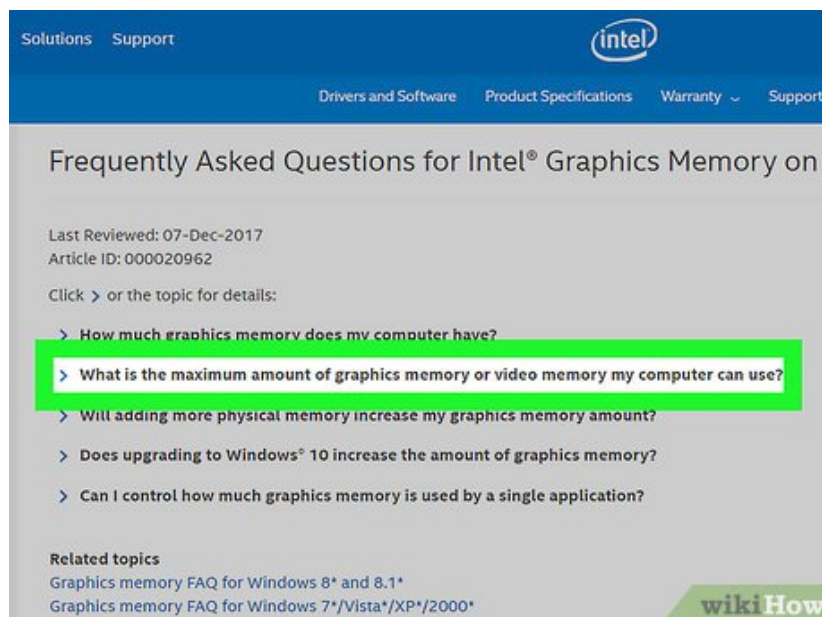


6.

Click **Display adapter properties for Display 1**. It's below the Display Information. This displays a pop-up window with information on your graphics adapter and video RAM. The total amount of dedicated video RAM is displayed next to "Dedicated Video Memory".

Method 2 of 2:

Using the Registry Editor

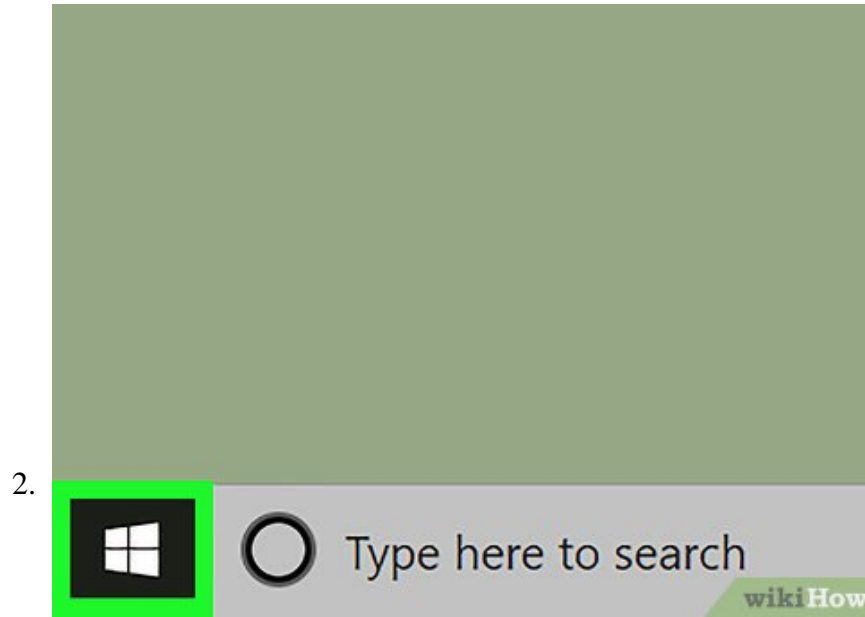


1.

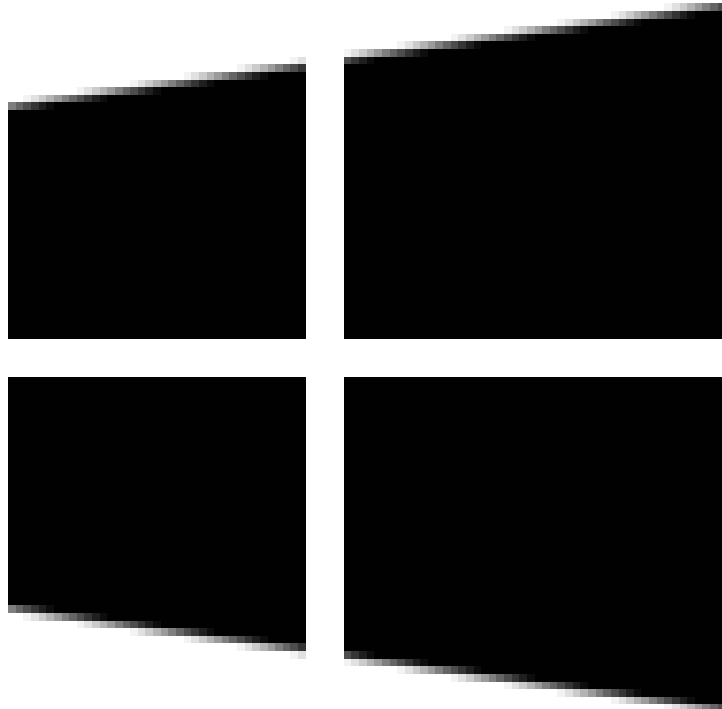
Check if your computer's Video RAM can be increased. Some Intel processors and integrated Intel graphics chipsets can't change the amount of Video RAM that is used. To see if your computer can increase the VRAM:

1. Go to the **Intel Graphics Memory FAQ** page.

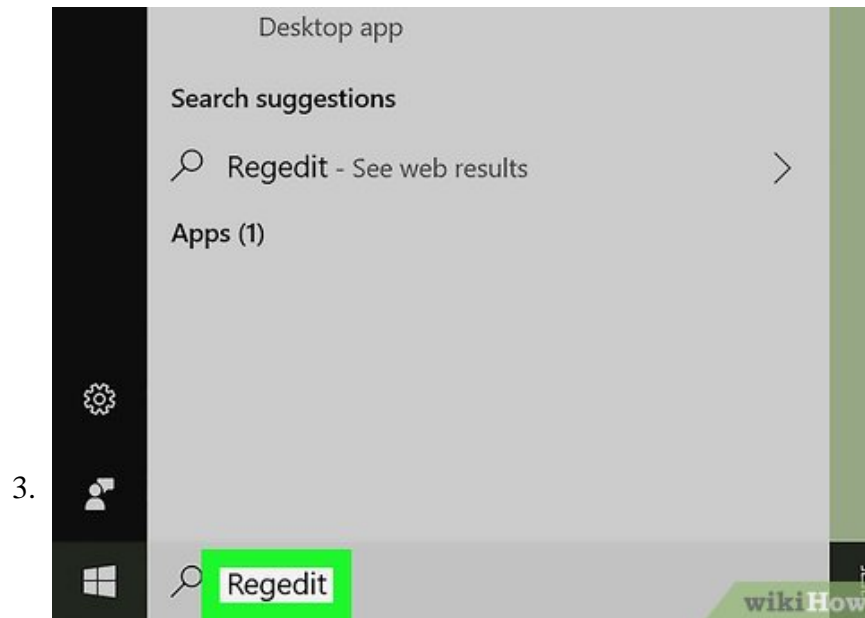
2. Click **What is the maximum amount of graphics memory my computer can use?**
3. See if your computer's graphics processor is on the list.



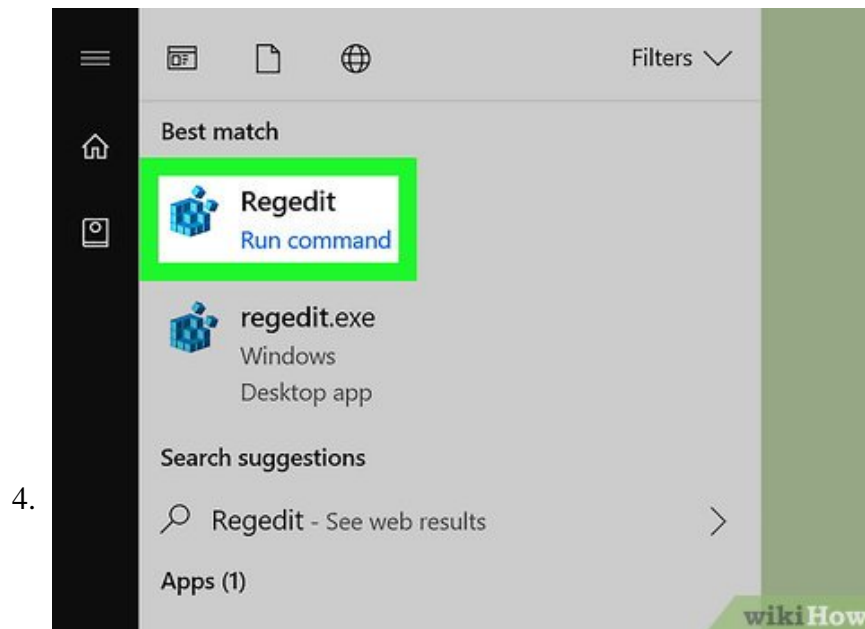
Click the Windows Start



button. The Windows Start menu has the Windows logo. By default, it's the button in the lower-right corner in the taskbar.

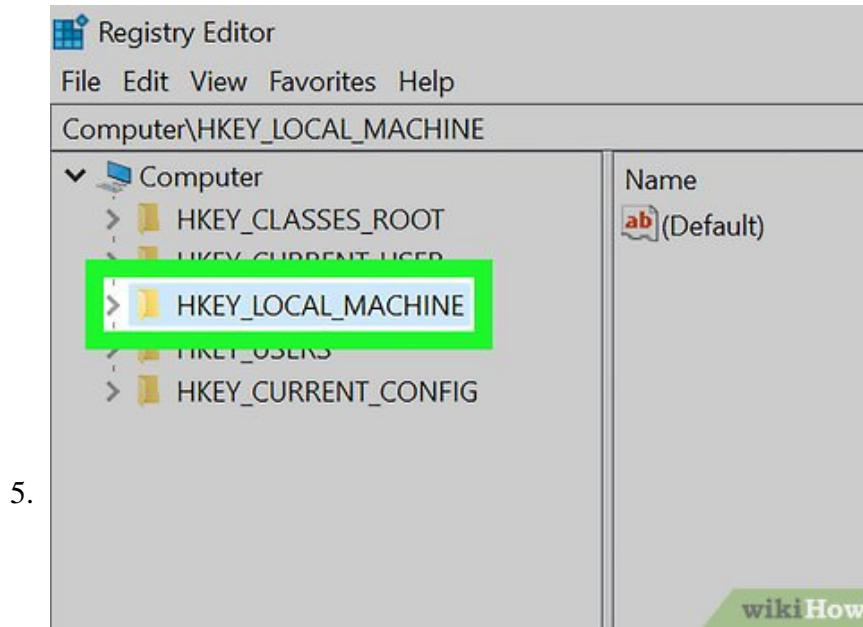


Type `Regedit` . This displays the Registry Editor command in the Start menu.

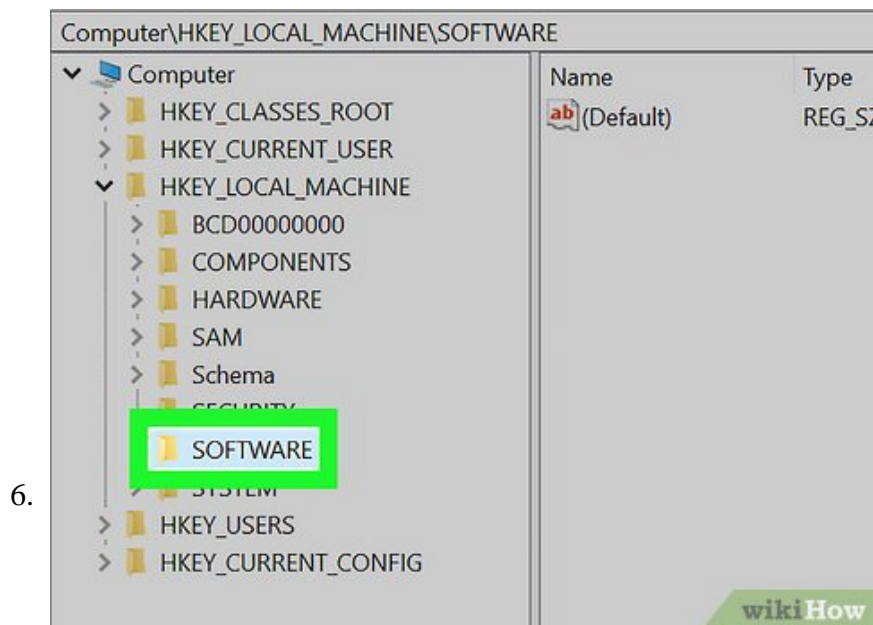


Click `Regedit` . It's next to an icon with blue cubes. This opens the Registry Editor.

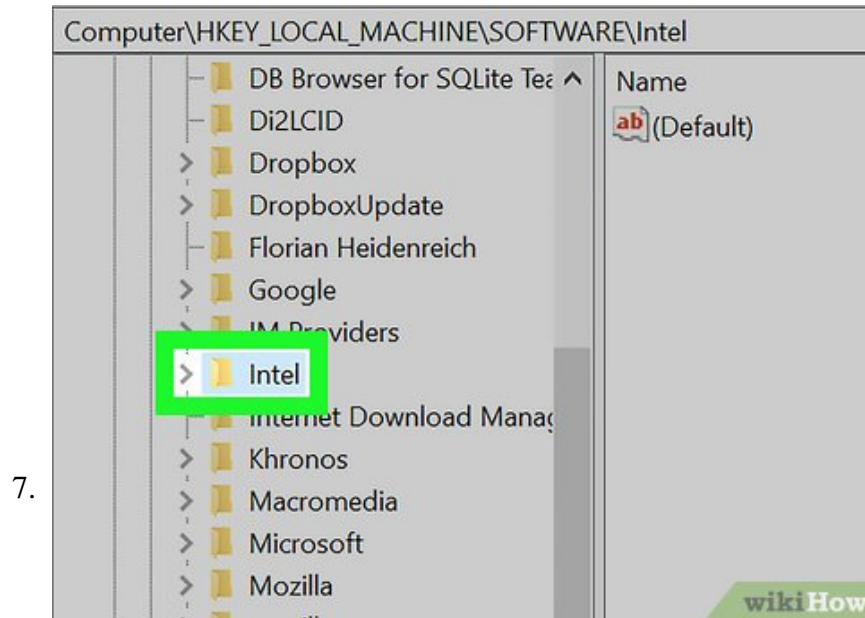
1. Making changes inside the Registry Editor can damage your system. Be careful what you edit inside the Registry Editor.



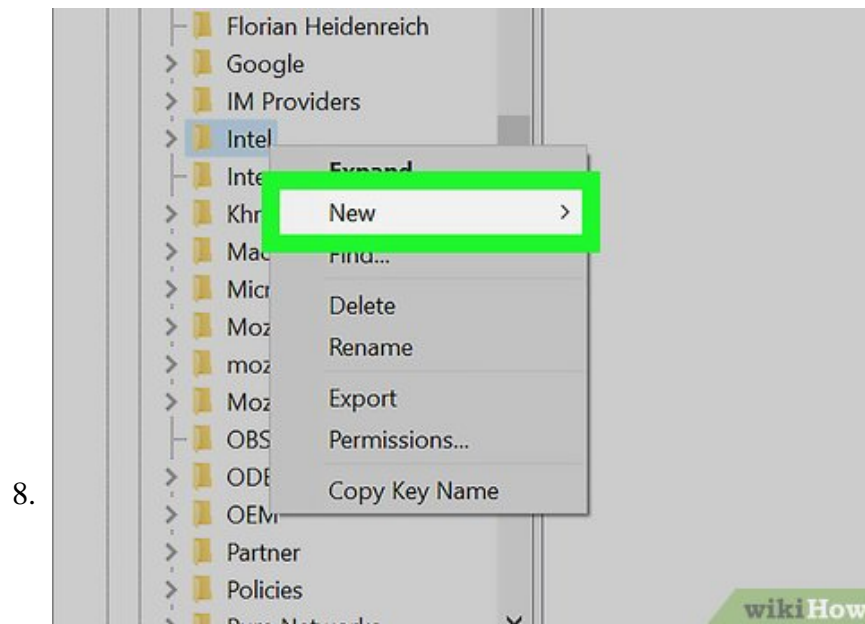
Click **HKEY_LOCAL_MACHINE**. This displays a variety of sub-folders in the Registry Editor.



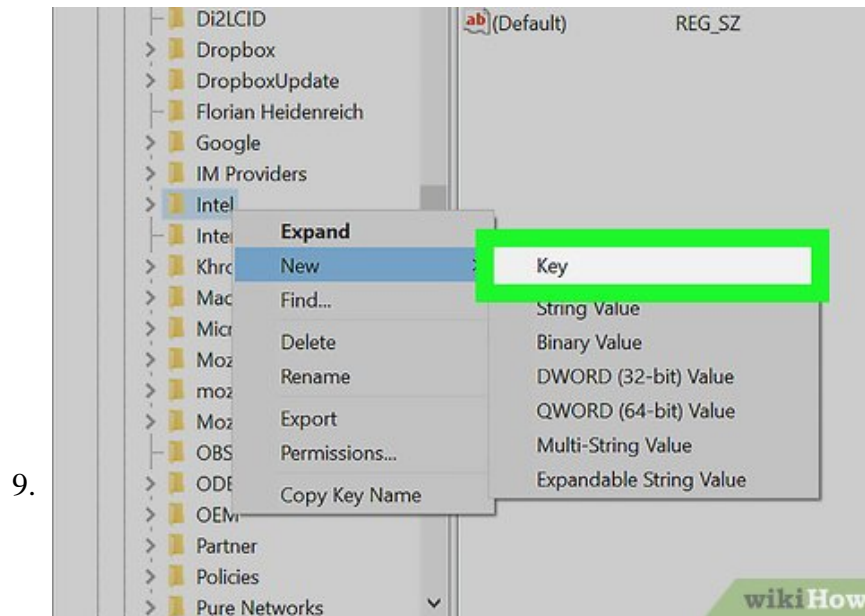
Click **SOFTWARE**. This displays more sub-folders.



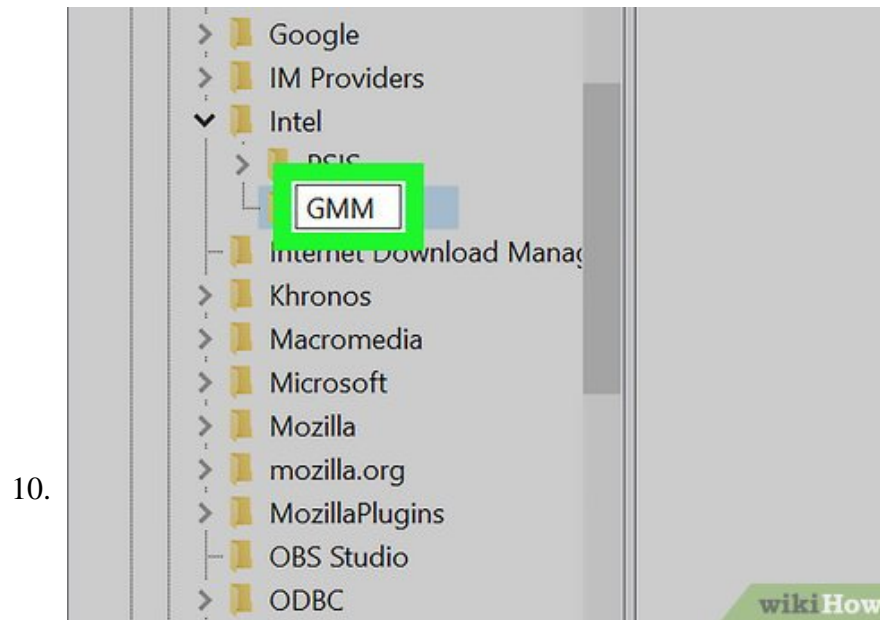
Right-click on . This displays a pop-up menu next to "Intel".



Select . It's in the pop-up menu when you right-click on "Intel" This displays another pop-up menu next to "New".

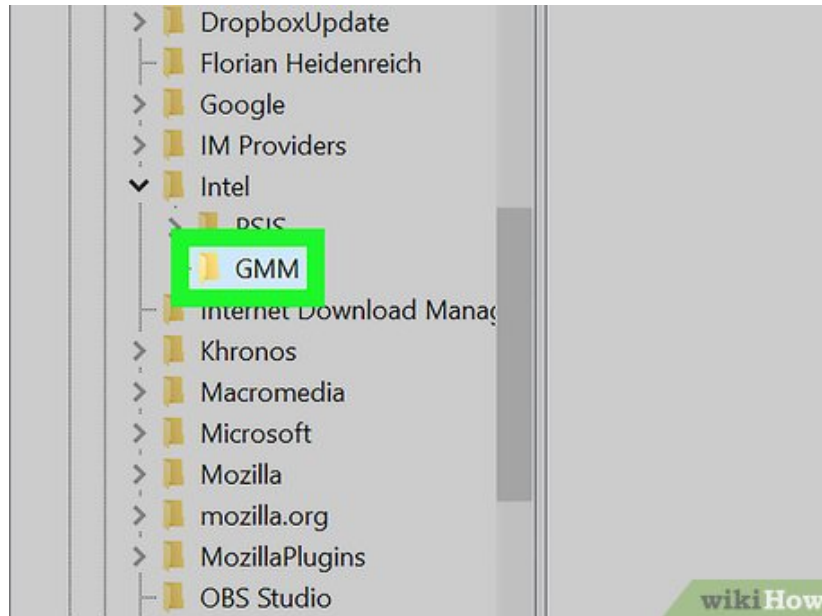


Click **Key**. This creates a new key file under "Intel".



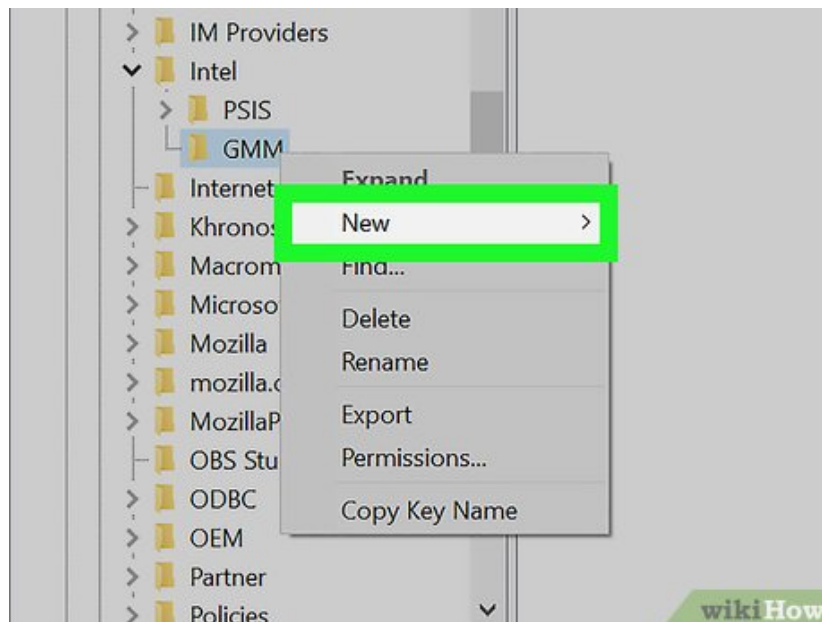
Rename the key GMM. When you create a new key, it will be named "New Key #1" by default. Press the **Backspace** key to erase the name, and then type "GMM" in capital letters.

11.



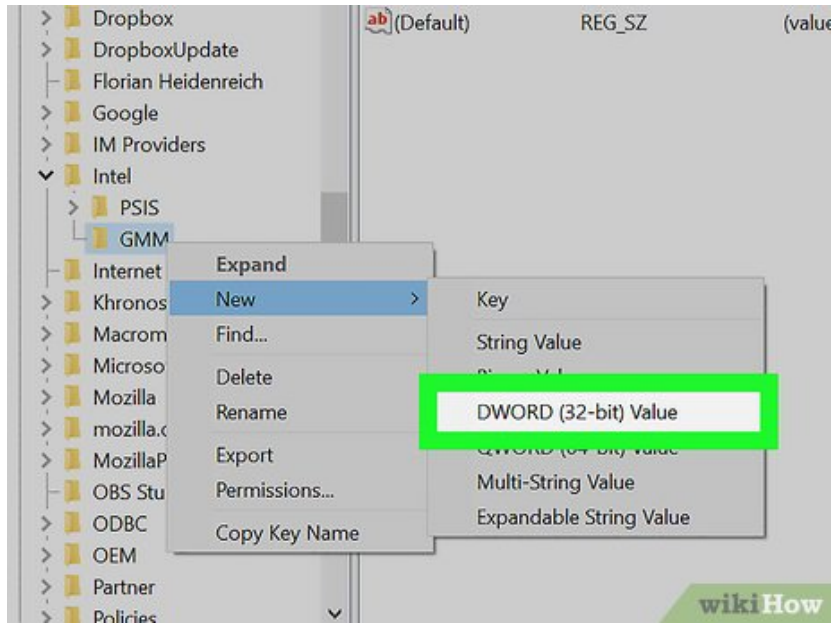
Right-click **GMM**. This is the key you just created. Right-clicking displays the pop-up menu.

12.



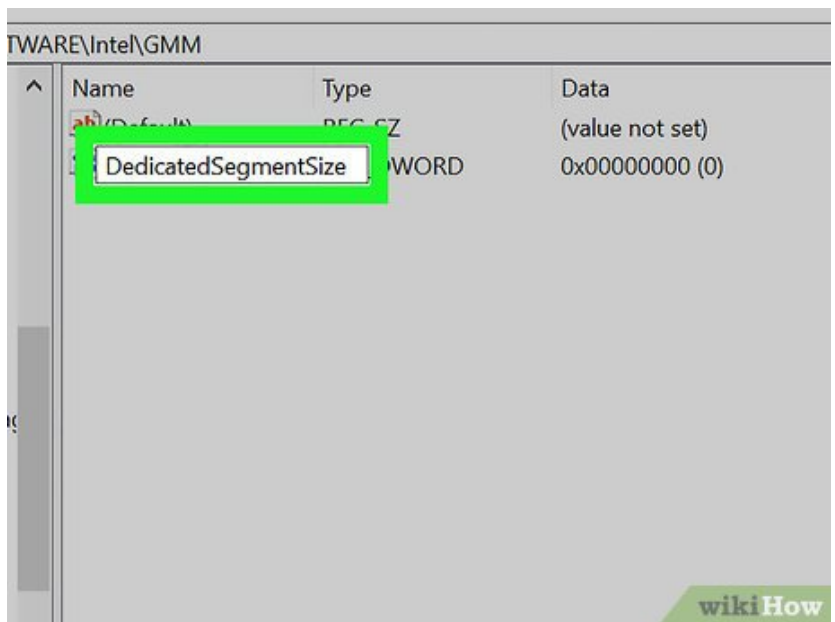
Select **New**. This displays the pop-up menu.

13.

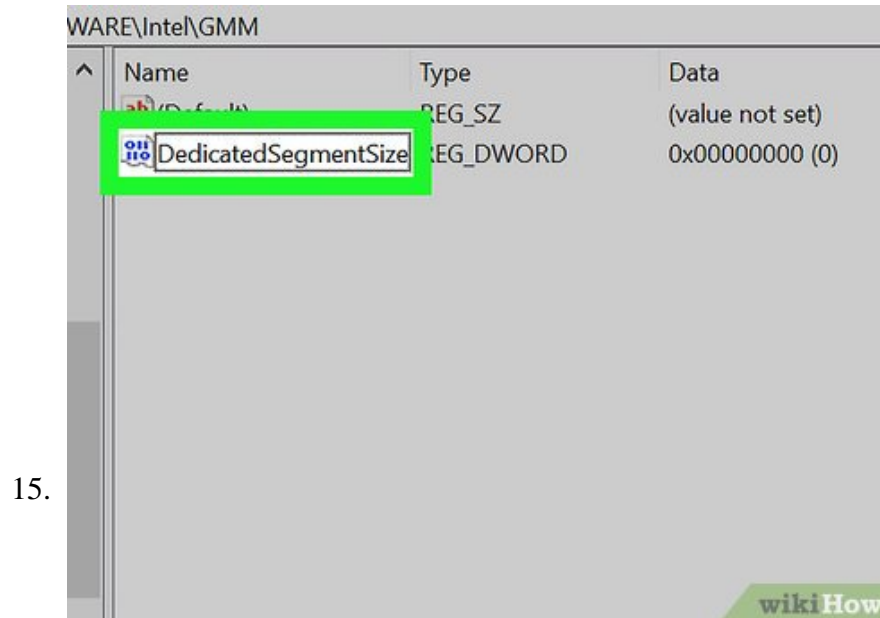


Click **DWORD (32 Bit) Value**. It's the third option in the "New" pop-up menu. This creates a new value in GMM.

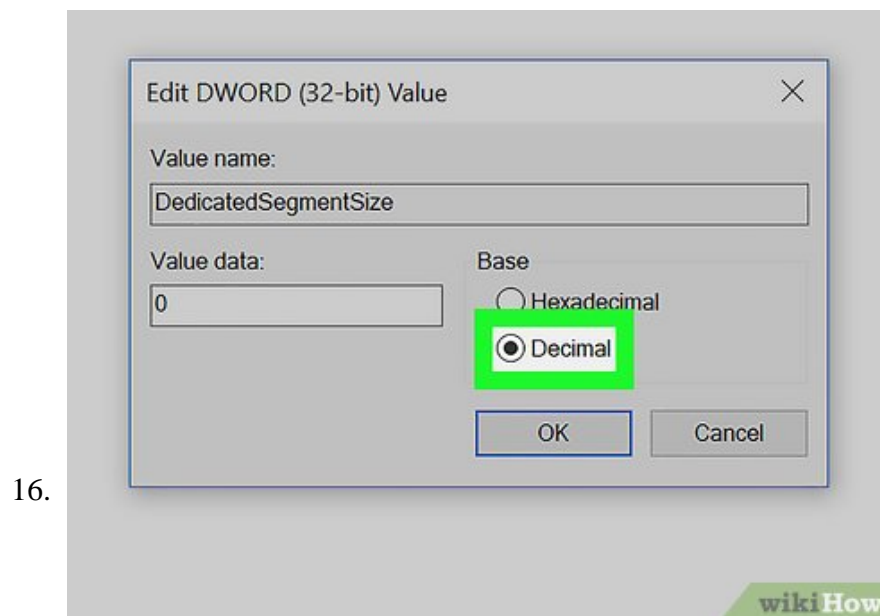
14.



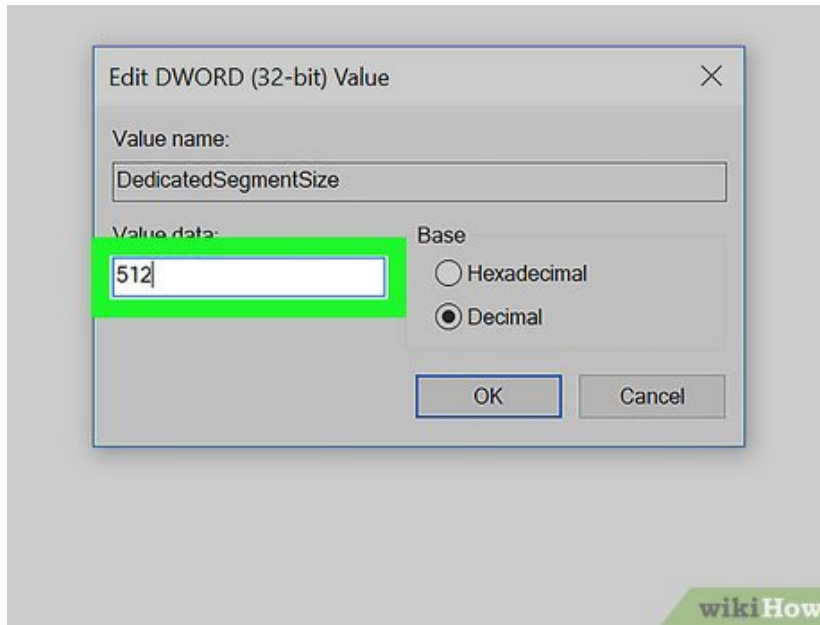
Rename the value `DedicatedSegmentSize`. By default, the new value is named "New Value #1". Press the **Backspace** key to erase the name, and type "DedicatedSegmentSize" as the new name.



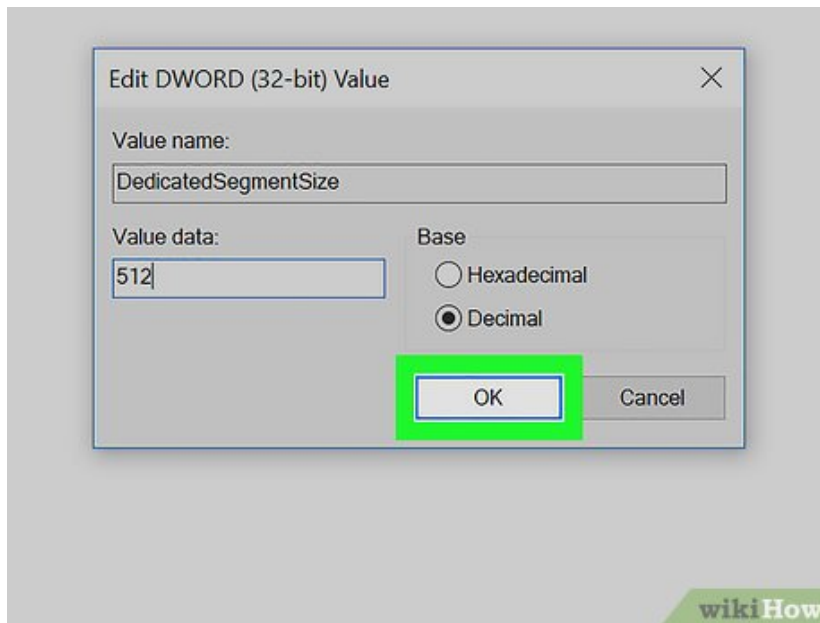
Double click on **DedicatedSegmentSize**. This is the new value you just created. Double-clicking on it will display a pop-up.



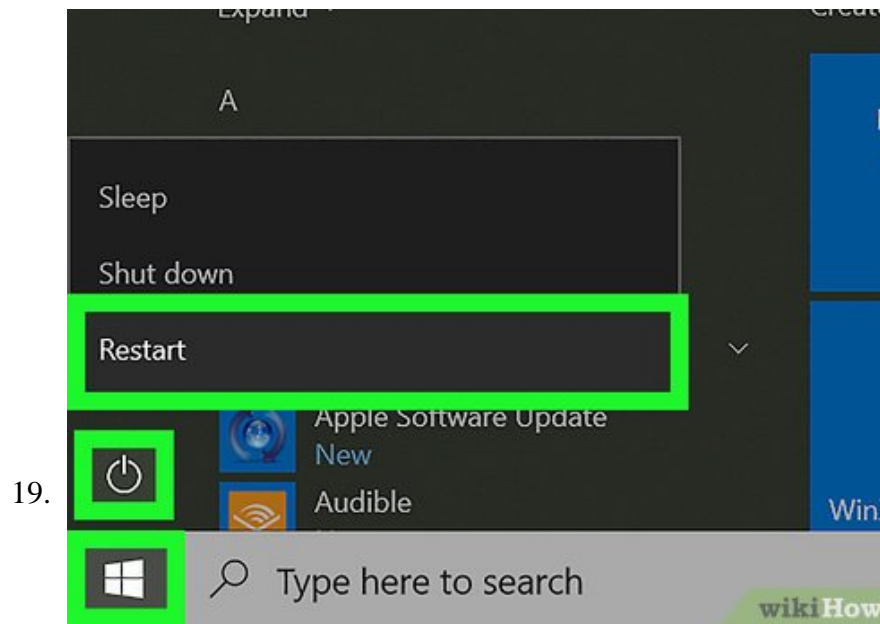
Click **Decimal**. It's the second option in the box labeled "Base" on the right side of the pop-up. Click the radial button next to "Decimal" to select it.



Type a number under "Value Data". This is the number of megabytes you want to allocate as Video RAM. If you have 8 gigabytes of RAM, you can allocate as much as 512 megabytes. If you have more RAM, you can allocate more.



Click **Ok**. This saves the value in the registry.^[1]



Restart your computer. Use the following steps to restart your computer. After your computer restarts, check your video RAM as outlined in Method 1. The amount of allocated RAM will be reflected next to "Dedicated Memory". This may not improve your system's performance, but if you have software that requires a certain amount of video memory to start, this will trick it into starting.

1. Click the **Windows Start** menu.
2. Click the icon that resembles a circle with a line through the top.
3. Click **Restart**.

You finished reading the article "**How to Increase Dedicated Video RAM on Windows Laptops with Intel Graphics**" edited by the [TipsMake](#) team. We hope this article has provided you with many useful tech tips and tricks. You can search for similar articles on tips and guides. Thank you for reading and for following us regularly.