

Total Worldwide Sales (in millions of units) per Video Game Console

The video game world is constantly changing and improving. With the recent new products like the Xbox Kinect and the 3DS we wondered what are the best selling systems of all time? The table below lists the top 18 video game consoles of all time and each console's total sales in millions as reported by vgchartz.com. We noticed that some older systems from the 70's and early 80's such as Atari, Intellivision and Colecovision did not make the list. This list effectively seems to start after the mid 80's.

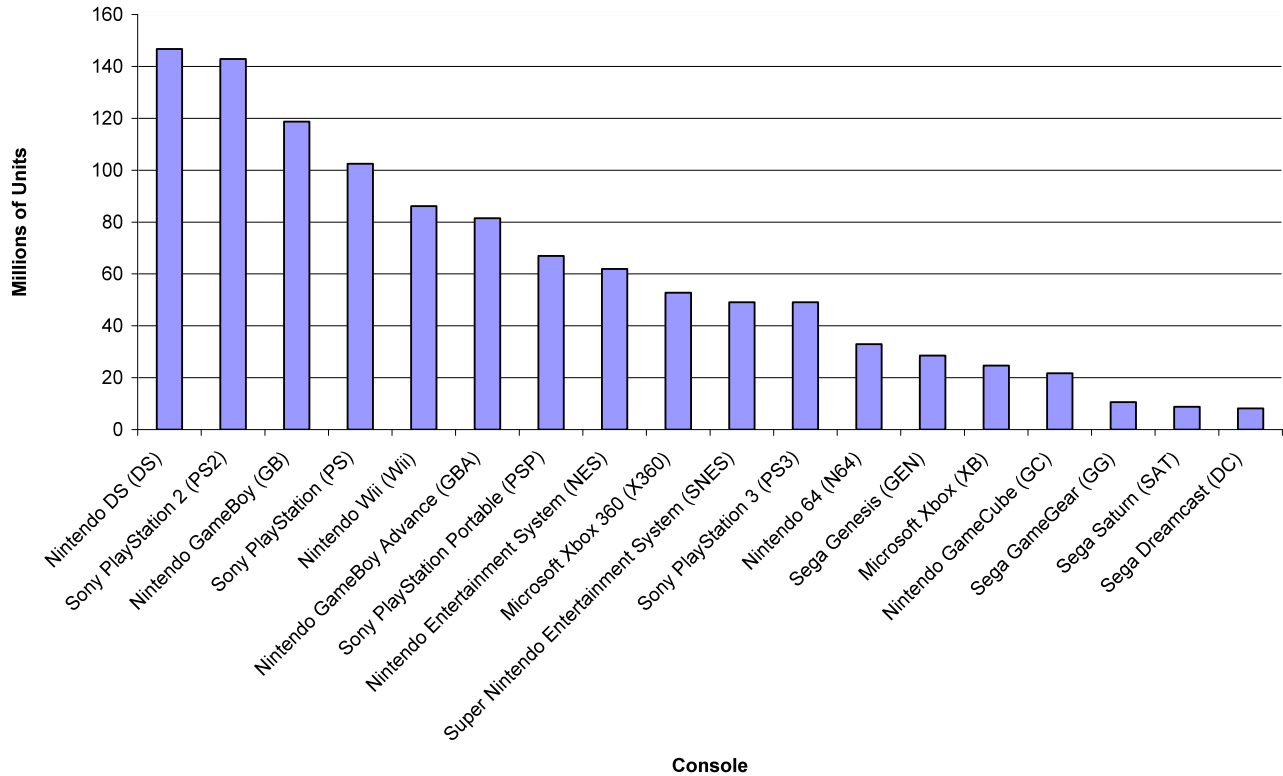
Position	Console	Worldwide	Percent of Console Sales
1	Nintendo DS (DS)	146.7	
2	Sony PlayStation 2 (PS2)	142.82	
3	Nintendo GameBoy (GB)	118.69	
4	Sony PlayStation (PS)	102.49	
5	Nintendo Wii (Wii)	86.18	
6	Nintendo GameBoy Advance (GBA)	81.49	
7	Sony PlayStation Portable (PSP)	66.95	
8	Nintendo Entertainment System (NES)	61.91	
9	Microsoft Xbox 360 (X360)	52.79	
10	Super Nintendo Entertainment System (SNES)	49.1	
11	Sony PlayStation 3 (PS3)	49.06	
12	Nintendo 64 (N64)	32.92	
13	Sega Genesis (GEN)	28.54	
14	Microsoft Xbox (XB)	24.65	
15	Nintendo GameCube (GC)	21.75	
16	Sega GameGear (GG)	10.62	
17	Sega Saturn (SAT)	8.82	
18	Sega Dreamcast (DC)	8.2	
	Total Units Sold in Millions:	1093.68	

1. Each console's total units sold are in millions. Lets make sure you understand how many of each of the consoles were actually sold. Write the actual number of Nintendo DS units sold and the actual number of Sega Dreamcast units sold. Find the difference in units sold between these two consoles. What statistic does the difference represent?

2. Why might people write large numbers like these in millions, versus writing the entire number out?

3. Aside from writing numbers in millions you can also write large numbers in scientific notation. Write the total number of Playstation, Playstation 2 and Playstation 3 consoles sold in scientific notation.

Total Worldwide Sales in Millions of Units

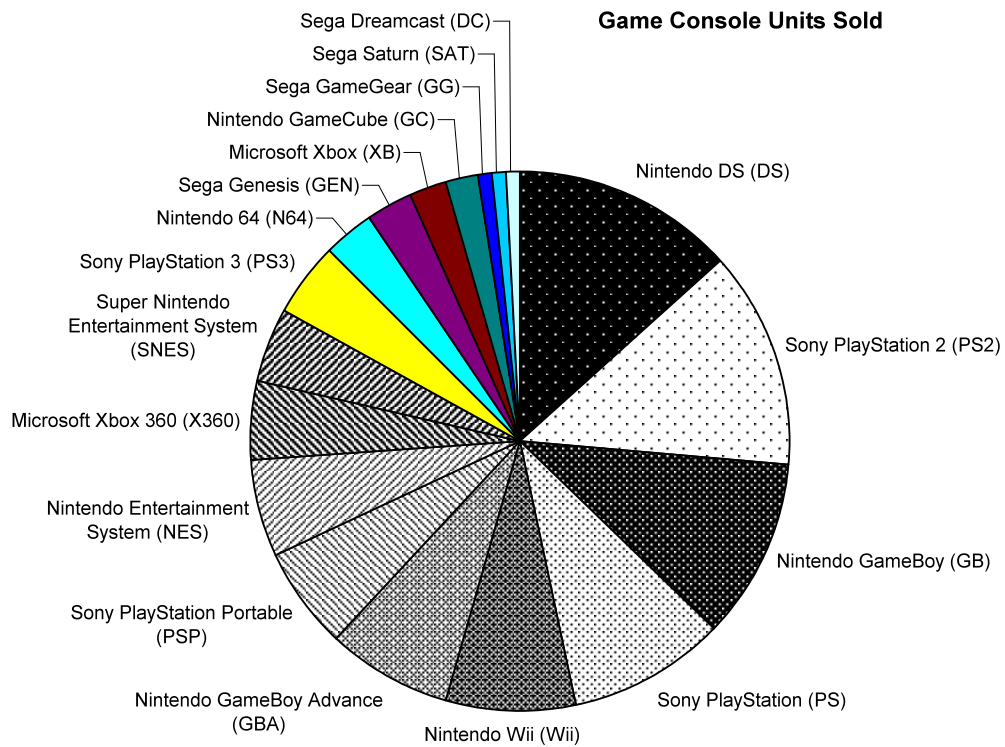


4. The data from this graph is from spring of 2011. How might this graph look differently when we update it with the spring 2012 data (the 3DS falls under DS units sold)?

5. Using the bar graph, about how many more units of the PS3 need to be sold to match the number of PS2 units sold?

6. During the late 80's and very early 90's the NES and Sega Genesis dominated the market and were major competitors. Which console was purchased more and by about how much?

7. The Xbox Kinect has been a big seller of late, which should result in more sales of Xbox 360 units. How many more units must be sold for the Xbox to move into the top four consoles in units sold. The Xbox 360 has been selling about 150,000 units per week. Does it seem likely that the Xbox 360 will move into the top four?



8. Using the circle graph and what you know about fractions estimate the percent of total units sold for each console. Fill in the chart on the first page of this activity as you go. Make sure your answers seem reasonable. You can double check your estimates by using the data in the table, but try to estimate the data using the circle graph first.

9. Should your percent estimates add up to exactly 100%, close to 100% or no where near 100%. Explain your reasoning.