

Marissa Dunn

CI 102-104

Prof. Kendzierski

11 September 2011

Assignment 1

1. 1 megabyte = 1,048,576 bytes. It can hold about the same amount as a floppy diskette, or around 768 pages of typed text.

1 gigabyte = 1,073,741,824 bytes. It can hold about 786,432 pages of text, this would be a 262 feet high stack of papers.

1 terabyte = 1,099,511,627,776 bytes. This would represent a stack of papers that is almost 51 miles high.

2. A mouse and a digital camera. A mouse is used by plugging it into the correct slot in the back of the computer, or wireless mice have a small USB attachment that gets plugged in. A digital camera is plugged in by a USB cord and it inputs pictures once it is hooked up.
3. Hard copy output: Printouts (tangible), Soft copy output: images, sound, or video on the monitor (intangible)
4. PS/2: (purple)keyboard, (green): mouse; Ethernet port: network; Serial port: dial-up modem, LPT1 Printer port: printer; VGA port: monitor; Game port: joystick, USB ports: flash drives, iPods, digital cameras, cell phones; Speakers/Mic/Line In: speakers, microphone, and headphones

5. The system unit is a hardware component that is everything inside the box: motherboard, CPU, and memory.
6. It is measured in Megahertz (MHz) and Gigahertz (GHz)
7. RAM (Random Access Memory) is located in the motherboard and is part of the computer memory along with ROM and Cache Memory. It is the primary storage connected to the CPU and all programs and files must be loaded into RAM to be used.
8. **Posture-related injuries:** pain in the back, neck, shoulder, and arm; headaches (State Government of Victoria). **Overuse of upper limb injuries:** pain in muscles and tendons from repetitive use and awkward positions and postures (State Government of Victoria). **Eyestrain:** focusing eyes on the same distant point for a long time may cause fatigue in the eye (State Government of Victoria, 2011). **Carpal Tunnel Syndrome:** swelling within the narrow tunnel formed by bone and ligament in the wrist, this leads to pain, tingling and numbness (Pierson & Dowshen, 2008)
9. **Flash Drive:** hold up to 64 GB of data; **Memory Cards:** can hold up to 32 GB; **Optical Storage:** CDs hold up to 700 MB, DVDs hold up to 4.7 GB, and BDs hold as much as 50 GB; **External Hard Drives:** some can hold 1 or TB (some can hold even more), and others have limited storage capacity and hold
10. CDs and DVDs are optical storage, they are also a portable storage.

State Government of Victoria. (2011, May 12). Computer-related injuries. In *Better health channel*. Retrieved September 8, 2011

Pierson, K. S., & Dowshen, S. (2008, November). Computer-related repetitive stress injuries. In *KidsHealth*. Retrieved September 8, 2011

