Hard Drive – Storing your Memories

These are the parts that process and interpret information that will later be stored into memory.



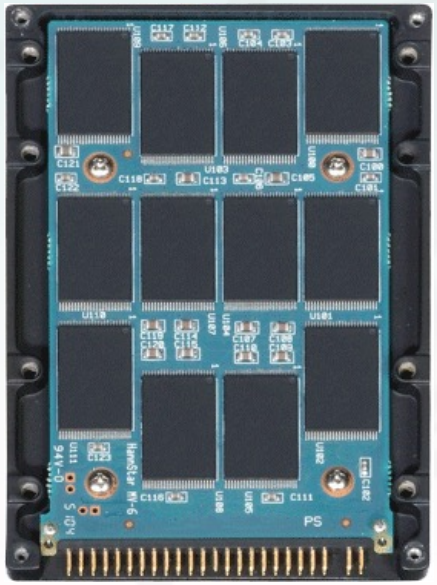
HARD DRIVE – Spinning wheel

PROS:

- Cheap
- Come in Large Sizes
- Readily Available

CONS:

- Delicate/Lots of Moving Parts
- Noisy / Runs Hot
- Lasts a few years maybe more



SOLID STATE DRIVE – Flash/Chip Memory

PROS:

- Very Reliable – No moving parts
- Quiet with no fan
- Small and compact makes for smaller computers

CONS:

- Very expensive
- Hard to find in stock
- Smaller sizes

Visual COMMUNICATIONS

byte - a piece of computer information made up of eight bits.
MB - short for megabyte. - **megabyte** - 1024 kilobytes.
K - short for kilobyte. **kilobyte** - 1024 bytes.
gig - a gigabyte = 1024 megabytes.
terabyte - a gigabyte = 1024 gigabytes.



In 1982, this storage device cost $2,500.00!
15 Megabytes was a huge amount of storage for a computer.

Today… This would barely hold 3 iTunes songs!

A typical hard drive on a computer is 500 GB……**3000+** Times Bigger!

Visual COMMUNICATIONS

Examples of Portable Storage



Visual
COMMUNICATIONS

Physical Storage



Cloud Storage









You can even “Bling” Your Storage





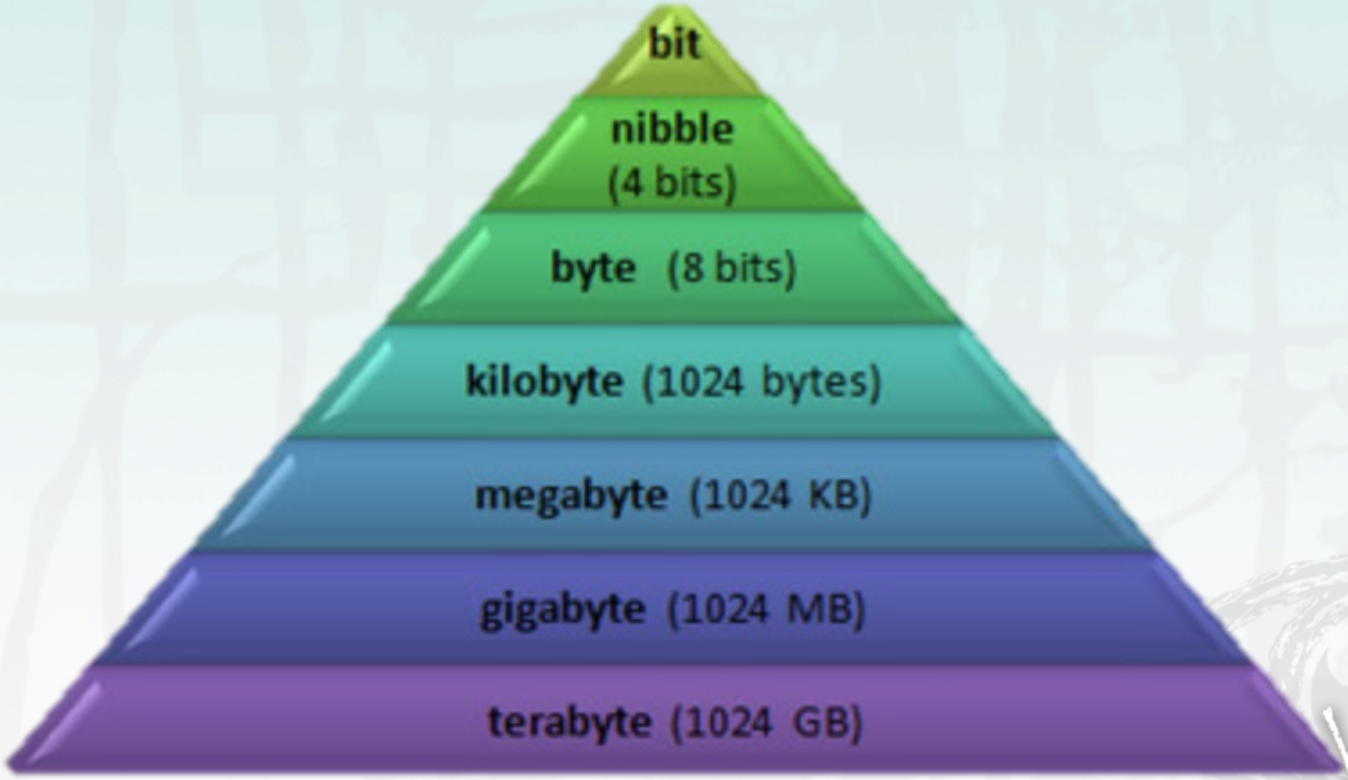




A Computer's Unit of Measurement

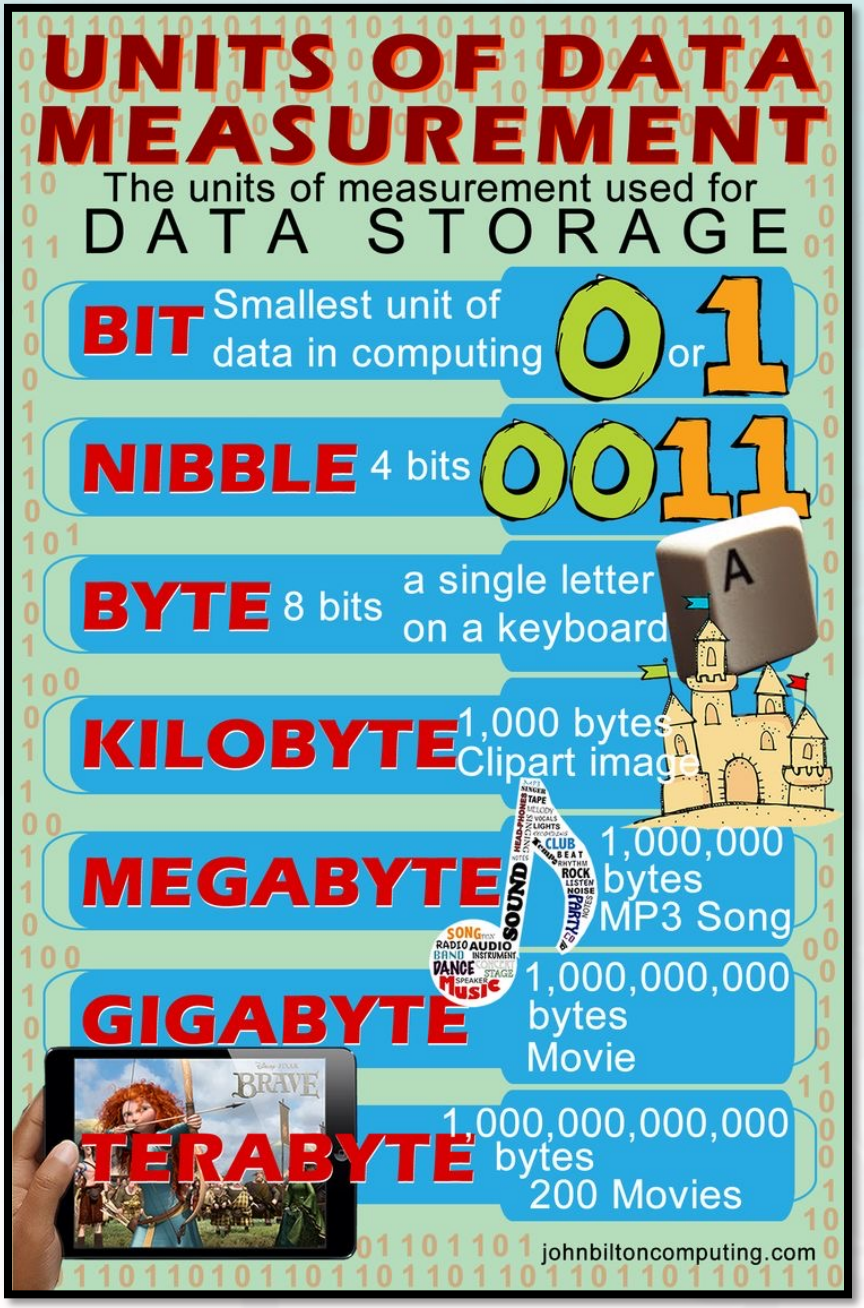
Computers store their information on memory devices like internal/external hard drives, memory cards and flash USB drives

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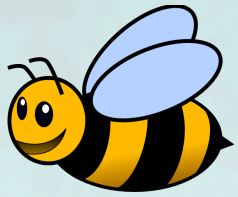
Visual
COMMUNICATIONS

A Computer's Unit of Measurement



BYTE: One letter typed from a keyboard

1 KILOBYTE: Clipart



4 MEGABYTES: 1 MP3 song

4.7 GIGABYTES: 1 DVD that can fit 3 hours of HD video, 3,000 songs or 5,000 pictures

1 TERABYTE: Replaces 50,000 Trees made into paper

200 PETABYTES: Every word ever written and typed

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Confused? There's an App for that!

