

1. How many Bytes does a 500 GB hard drive hold?

1 GB $\rightarrow 10^9$ Bytes

500 GB $\rightarrow 500 \cdot 10^9$ Bytes

2. How many letters can be stored on a hard disk with capacity 256 GB?

The hard disk holds $256 \cdot 10^9$ Bytes. Each character- letter, we know that it corresponds to 1 Byte, so on the specific hard disk can be stored $256 \cdot 10^9$ letters.

3. A text with 2.000 Bytes (characters), how many bits (digits) is it?

We know that 1 Byte corresponds to 8 bits, so 2.000 Bytes/characters are $2.000 \cdot 8$ Bits.

4. A text of 80.000 bits, how many Bytes is it?

We know that 1 Byte corresponds to 8 bits, so 80.000 bits is $80.000/8=10.000$ Bytes.

5. How many MB are 10.000 KB?

1 MB is about 1.000 KB so 10.000 KB is $10.000/1.000=10$ MB.

6. How many GB are 5.000 MB?

1 GB is about 1.000 MB so 5.000 MB is $5.000/1.000=5$ GB.