

1- BINARY AND DECIMAL SYSTEM FOR MEASURING DATA CAPACITY

BINARY SYSTEM

1KiB (Kibibyte) = 1024 bytes
1MiB (Mebibyte) = 1024 KiB
1GiB (Gibibyte) = 1024 MiB
1TiB (Tebibyte) = 1024 GiB

DECIMAL SYSTEM

1KB (Kilobyte) = 1000 bytes
1MB (Megabyte) = 1000 KB
1GB (Gigabyte) = 1000 MB
1TB (Terabyte) = 1000 GB

Linux works with the binary system

1 GiB = 1.073.741.824	1TiB = 1.099.511.627.776
1GB = 1.000.000.000	1TB = 1.000.000.000.000
Difference = 73.741.824 bytes	Difference = 99.511.627.776 bytes → almost 100GB

2- VIRTUAL BOX SYSTEM FOR MEASURING DATA CAPACITY

VirtualBox and Windows work with the binary system but capacities are written in decimal format

1KB = 1024 bytes
1MB = 1024 KB
1GB = 1024 MB
1TB = 1024 GB

1GB (VirtualBox) = 1GiB Linux = 1.073.741.824 bytes