

$$\begin{aligned}
Capacity &= \frac{512 \text{ bytes}}{\text{sector}} \times \frac{400 \text{ sectors}}{\text{track}} \times \frac{10,000 \text{ tracks}}{\text{surface}} \times \frac{2 \text{ surfaces}}{\text{platter}} \times \frac{2 \text{ platters}}{\text{disk}} \\
&= 8,192,000,000 \\
&= 8.192 \text{ GB}
\end{aligned}$$