

1. Transforma 4192 GB en *nibbles*.

$$4192\text{GB} = 131 \times 2^5\text{GB} = 2^8 \times 2^5\text{GB} = 2^{13}\text{GB}$$
$$131 \simeq 256 = 2^8$$

$$2^{13}\text{GB} \times \frac{2^{30}\text{B}}{1\text{GB}} \times \frac{2\text{nibble}}{1\text{B}} = 2^{44}\text{nibbles}$$

2. Transforma 345 PB en Kb.

$$345\text{PB} \simeq 512\text{PB} \simeq 2^9\text{PB}$$

$$2^9\text{PB} \times \frac{2^{40}\text{KB}}{1\text{PB}} \times \frac{2^3\text{Kb}}{1\text{KB}} = 2^{52}\text{Kb}$$

3. Transforma 1048576 PB en Mb.

$$1048576\text{PB} = 2^{20}\text{PB}$$

$$2^{20}\text{PB} \times \frac{2^{30}\text{MB}}{1\text{PB}} \times \frac{2^3\text{Mb}}{1\text{MB}} = 2^{53}\text{Mb}$$

4. 64 Tb equivalen a:

a) 2^{46} Kb. **Falso**.

$$64\text{Tb} = 2^6\text{Tb}$$

$$2^6\text{Tb} \times \frac{2^{30}\text{Kb}}{1\text{Tb}} = 2^{36}\text{Kb}$$

b) 2^{46} bytes. **Falso**.

$$64\text{Tb} = 2^6\text{Tb}$$

$$2^6\text{Tb} \times \frac{2^{40}\text{b}}{1\text{Tb}} \times \frac{1\text{B}}{2^3\text{b}} = 2^{43}\text{B}$$

c) 2^{45} bits. **Falso**.

$$64\text{Tb} = 2^6\text{Tb}$$

$$2^6\text{Tb} \times \frac{2^{40}\text{b}}{1\text{Tb}} = 2^{46}\text{b}$$

d) 2^{46} bits. **Verdadero**.

$$64\text{Tb} = 2^6\text{Tb}$$

$$2^6\text{Tb} \times \frac{2^{40}\text{b}}{1\text{Tb}} = 2^{46}\text{b}$$

5. Transforma 512 TB en Pb.

$$512TB = 2^9TB$$

$$2^9TB \times \frac{1PB}{2^{10}TB} \times \frac{2^3Pb}{1PB} = 2^2Pb$$