

1. Transforma 4192 GB en *nibbles*.

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

$$131 \simeq 256 = 2^8$$

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

2. Transforma 345 PB en Kb.

$$345 PB \simeq 512 PB \simeq 2^9 PB$$

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

3. Transforma 1048576 PB en Mb.

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

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

4. 64 Tb equivalen a:

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

$$64 Tb = 2^6 Tb$$

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

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

$$64 Tb = 2^6 Tb$$

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

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

$$64 Tb = 2^6 Tb$$

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

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

$$64 Tb = 2^6 Tb$$

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

5. Transforma 512 TB en Pb.

$$512TB = 2^9TB$$

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