

Taller 8.

4.)

4) Convertir a base 16

a) 611

$$\begin{array}{r} 611 \overline{)16} \\ 431 \overline{)38} \overline{)16} \\ \underline{3} \quad \underline{6} \quad \underline{2} \end{array}$$

$$611_{10} = \underline{263}_{16}$$

b) 48

$$\begin{array}{r} 48 \overline{)16} \\ \underline{0} \quad \underline{3} \end{array}$$

$$48_{10} = \underline{30}_{16}$$

c) 10000

$$\begin{array}{r} 10000 \overline{)16} \\ 40 \overline{)625} \overline{)16} \\ 80 \overline{)145} \overline{)39} \overline{)16} \\ \underline{0} \quad \underline{1} \quad \underline{7} \quad \underline{2} \end{array}$$

$$10000_{10} = \underline{2710}_{16}$$

d) 6199

$$\begin{array}{r} 6199 \overline{)16} \\ 139 \overline{)387} \overline{)16} \\ 119 \overline{)67} \overline{)24} \overline{)16} \\ \underline{7} \quad \underline{3} \quad \underline{8} \quad \underline{1} \end{array}$$

$$6199_{10} = \underline{1837}_{16}$$

2) Convertir a base 10, los números base 8.

$$a) 600_8 = \underline{384}_{10}$$

$$6 \times 8^2 = 384$$

$$b) 4582_8 = \underline{386}_{10}$$

$$2 \times 8^0 = 2$$

$$8 \times 8^1 = 64$$

$$5 \times 8^2 = 310$$

$$c) 4455_8 = \underline{2349}_{10}$$

$$5 \times 8^0 = 5$$

$$5 \times 8^1 = 40$$

$$4 \times 8^2 = 256$$

$$4 \times 8^3 = 2048$$

$$d) 477_8 = \underline{319}_{10}$$

$$7 \times 8^0 = 7$$

$$7 \times 8^1 = 56$$

$$4 \times 8^2 = 256$$

3)

a)

$$\bullet 84110,41 = 0,8411041 \times 10^5$$

$$\bullet 0,009888 = 0,0000009888 \times 10^5$$

$$\text{Suma} = 0,8411041 \times 10^5 = 84110,41$$

$$b) \bullet 612,055 = 0,612055 \times 10^3 \rightarrow 0,0061205 \times 10^5$$

$$23.422,008 = 0,2342200 \times 10^5$$

$$\text{Resta} = -0,2280995 \times 10^5$$

$$c) \bullet 0,4749$$

$$\bullet 0,009898 \rightarrow 0,9898 \times 10^{-3}$$

$$\text{Multiplicacion} = 0,4696761 \times 10^{-2}$$

$$10^1 + 10^{-3} = 10^{-2}$$

Scribe

$$d) \cdot 42,7700044 = \underline{0,4277} \times 10^2$$

$$\cdot 0,000795998 = 0,795998 \times 10^{-3}$$

$$\text{Division} = 0,5373129 \times 10^5$$

$$(2 - (-3)) = 10^5$$