

Taller

1. a) 611

$$\begin{array}{r} 611 \overline{) 16} \\ 137 \\ \hline 3 \end{array}$$

$$\begin{array}{r} 38 \overline{) 26} \\ 6 \\ \hline 2 \end{array}$$

$$\begin{array}{r} 2 \overline{) 26} \\ 2 \\ \hline \end{array}$$

$\Rightarrow 263$

b) 48

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

$$\begin{array}{r} 3 \overline{) 16} \\ 3 \\ \hline \end{array}$$

$\rightarrow 30$

c) 5000

$$\begin{array}{r} 5000 \overline{) 16} \\ 20312 \\ 40 \\ \hline 6 \end{array}$$

$$\begin{array}{r} 312 \overline{) 16} \\ 15219 \\ 8 \\ \hline \end{array}$$

$$\begin{array}{r} 19 \overline{) 16} \\ 31 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \overline{) 16} \\ 1 \\ \hline \end{array}$$

$\rightarrow 1388$

d) 6199

$$\begin{array}{r} 6199 \overline{) 16} \\ 139 \\ \hline 119 \\ 7 \end{array}$$

$$\begin{array}{r} 387 \overline{) 16} \\ 67 \\ \hline 3 \end{array}$$

$$\begin{array}{r} 24 \overline{) 16} \\ 3 \\ \hline 1 \end{array}$$

$$\begin{array}{r} 1 \overline{) 16} \\ 1 \\ \hline \end{array}$$

$\rightarrow 1837$

2 a) 500

$$500 = (5 \times 8^2) + (0 \times 8^1) + (0 \times 8^0) = 320$$

b) 405

$$(4 \times 8^2) + (0 \times 8^1) + (5 \times 8^0) = 137$$

No es total, no puede existir el 8

c) 5445

$$5445 = (5 \times 8^3) + 4 \times 8^2 + 4 \times 8^1 + 5 \times 8^0 = 2853$$

d) 277

$$277 = 2 \times 8^2 + 7 \times 8^1 + 7 \times 8^0 = 191$$