Ejercicio 3:

Suponiendo que se tienen registros de 16 bits, convertir a binario **sin** signo los siguientes números en base 10:

a) 123,0 = 0000000011110116

$$23 = 2.61 + 1$$

$$61 = 2.30 + 1$$

$$30 = 2.15 + 0$$

$$15 = 2.7 + 1$$

$$7 = 2.3 + 1$$

$$3 = 2.1 + 1$$

$$1 = 2.0 + 1$$

$$59 = 2.29 + 1$$
 $29 = 2.14 + 1$
 $14 = 2.7 + 0$
 $7 = 2.3 + 1$
 $3 = 2.1 + 1$
 $1 = 2.0 + 1$

C) 255.46,0 = MMMM.01110106

$$0.46 kz = 0.97$$
 $0.97 kz = 1.84$
 $0.84 kz = 1.68$
 $0.68 kz = 1.36$
 $0.36 kz = 0.77$
 $0.72 kz = 1.44$
 $0.44 kz = 0.88$

d) 98.019,0 = 1100010.00001001

$$98 = 2.49 + 0$$
 $0.049 k2 = 0.038$
 $0.038 k2 = 0.076$
 $0.076 k2 = 0.076$
 $0.076 k2 = 0.152$
 $0.076 k2 = 0.152$
 $0.076 k2 = 0.304$
 $0.304 k2 = 0.304$
 $0.304 k2 = 0.608$
 $0.304 k2 = 0.608$
 $0.304 k2 = 0.608$
 $0.432 k2 = 0.864$

0.864KZ = 1.728 1