

Shoselin machaca condori

RGM 04414073-1

02 lista de ejercicios

1-)  $1 \ 0 \ 1 \ 1 \ 0_2$

$$1 \times 2^5 = 1 \times 32 = 32$$

$$0 \times 2^4 = 0 \times 16 = 0$$

$$1 \times 2^3 = 1 \times 8 = 8$$

$$1 \times 2^2 = 1 \times 4 = 4$$

$$0 \times 2^1 = 0 \times 2 = 0$$

$$1 \times 2^0 = 1 \times 1 = 1$$

$$= 32 + 0 + 8 + 4 + 0 + 1 = 45$$

$$(101101)_2 = (45)_{10}$$

resultado =  $45_{10}$

2-)  $(3456)_8$

$$3 \times 8^3 = 3 \times 512 = 1536$$

$$4 \times 8^2 = 4 \times 64 = 256$$

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

$$6 \times 8^0 = 6 \times 1 = 6$$

$$1536 + 256 + 40 + 6 = 1838$$

$$(3456)_8 = (1838)_{10}$$

3-)  $(1F3)_{16}$

$$1 \times 16^2 = 1 \times 256 = 256$$

$$15 \times 16^1 = 15 \times 16 = 240$$

$$3 \times 16^0 = 3 \times 1 = 3$$

$$256 + 240 + 3 = 499$$

$$(1F3)_{16} = (499)_{10}$$