

$$6) 25 \div 2 = 12 = 1$$

$$12 \div 2 = 6 = 0$$

$$6 \div 2 = 3 = 0$$

$$3 \div 2 = 1 = 1$$

$$1 \div 2 = 0 = 1$$

$$25_{10} = 11001_2$$

7)

$$101$$

$$+ 110$$

$$+ 1011$$

$$+ 0100$$

$$1111$$

8)

$$11000$$

$$- 1011$$

$$= 01101$$

$$11000 - 1011 = 1101$$

$$9) (1 \times 2^5) + (0 \times 2^4) + (1 \times 2^3) + (1 \times 2^2) + (0 \times 2^1) + (1 \times 2^0)$$

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

$$= 45$$

10)

$$111$$

$$+ 101$$

$$1100$$

$$1 + 1 = 10 \neq 1 = 0$$

$$1 + 0 + 1 = 10 \neq 0$$

$$1 + 1 + 1 = 11 + 1 = 0$$

$$(1 \times 2^3) + (1 \times 2^2) + (0 \times 2^1) + (0 \times 2^0)$$

$$= 8 + 4 + 0 + 0 = 12$$

$$\text{Resultado} = 12$$