Number Systems pre-columbian Context

$$1 \times 2^{3} + 0 \times 2^{2} + 0 \times 2^{6} + 0 \times 2^{6}$$

 $8 + 0 + 0 + 0 = [8]$

$$1001 1 \times 2^{3} + 0 \times 2^{2} + 0 \times 2^{1} + 1 \times 2^{0}$$

$$8 + 0 + 0 + 1 = \boxed{9}$$

32 = 000001 32 = 32/2 = 16/0 7) 16/2 = 8,0 8/2 = 4 ,0 u12 = 2 vo = 1 10 2/2 = 0 r1 112 42 = 010101 42/2 = 21 ro 42 21/2 = 10 11 = 5 r 0 1012 5/2 = 2 rl 2/2 = 1 0 1/2 = 0 11 11= 1101 11/2 = 5rl 11 = = 2/1 5/2 2/2 = iro 1/2 0 11 811 17 = 10001 1712 = 17= yro 8/2 = 200 412 2 2/2 = 1 10 1/2 011

5. Base 20 Systems

$$2.$$

$$25 = 0 \times 20^{2} + 1 \times 20^{1} + 5 \times 20^{\circ}$$

$$45 = 0 \times 20^{2} + 2 \times 20^{1} + 5 \times 20^{\circ}$$

$$425 = 1 \times 20^{2} + 1 \times 20^{1} + 5 \times 20^{\circ}$$

$$625 = 1 \times 20^{2} + 11 \times 20^{1} + 5 \times 20^{\circ}$$

