Taller 8 (I)

16 → 10

1. a) 611 | 16 → 3 | 38 | 16 → 6 | 2 → 611 = 263

b) 48 | 16 → 0 | 3 → 48 = 30

c) 5000 | 16 → 8 | 312 | 16 → 8 | 19 | 16 → 3 | 1 → 5000 = 1388

d) 6199 | 16 → 7 | 387 | 16 → 3 | 24 | 16 → 8 | 1 → 6199 = 1837

2. 10 → 8

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

b) $485 = (4 \times 8^2) + (8 \times 8^1) + (5 \times 8^0) = 325$

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

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

Taller 8 (II)

3. a) $75.202,53 + 0,009997$

$0,7520253 \times 10^2 + 0,9997 \times 10^{-2}$ $\quad 10^{2+(-2)} = 10^0$

$0,17517 \times 10^1 = 1,7517$

b) $533,075 - 38.611,007$

$0,533075 \times 10^3 - 0,38611007 \times 10^5$

$0,533075 - 0,00000000038611$

$= 0,53307499961 \times 10^3$

c) $0,38654 \times 0,00012097$

$0,38654 \times 0,12097 \times 10^{-3}$

$0,046759 \times 10^{-3}$

$0,46759 \times 10^{-2}$

d) $37,86093 \div 0,000103862$

$0,3786093 \times 10^2 \div 0,103862 \times 10^{-3}$ $\quad 10^{2-(-3)} = 10^5$

$3,64531 \times 10^{-5}$

$= 0,364531 \times 10^{-6}$