$$16^{3}X = 16^{3} \cdot 0.(216) =$$

$$= 216, (216) =$$

$$= 216 + 0.(216) =$$

$$= 216 + X$$

$$10^{3}X - X = 216 + X$$

$$10^{3}X - X = 216$$

$$10^{3}X - X = 216$$

$$10^{3}X - X = 216$$

$$216 = 210+6 = 21.10+6 = (3.7)(2.5)+6 =$$

$$= (2.3)(5.7)+6 = 6.35+6 = 6(35+1) = 6.36 =$$

$$= 6.(4.9) = (6.4).9 = 9.24$$

$$y = \frac{9.24}{9.111} = \frac{24}{111}$$