Correct. Use the formula and fill in the known values: $1,000,000 = 1,000(10)^{\frac{t}{50}}$

Divide both sides by 1,000: $1,000 = (10)^{\frac{t}{50}}$

Take logarithms and use the power property: $\log 1,000 = \log (10)^{\frac{t}{50}} = \left(\frac{t}{50}\right)\log 10$

Evaluate the logarithms: $3 = \left(\frac{t}{50}\right)(1)$, so $t = 150$