Math Forum - Problem of the Week

Sizing Up Sequoias [Problem #3068]

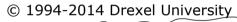


A seguoia tree seed weighs only 1/(5*10^3) of an ounce. If a mature sequoia tree weighs an average of 2.16*10^11 times as much, how much does the average mature sequoia weigh?

Remember to give the weight in a reasonable



Extra: It) weigh 100 lbs, how many seeds would it take to equal my weight? How many of me would it take to equal the weight of the tree?



$$\frac{1602 = 1 pound}{20001bs} = 1 ton$$

$$= \frac{1}{2} \times 10^{-3} = .5 \times 10^{-3}$$

$$= \frac{1}{2} \times 10^{-3} = .2 \times 10^{-3}$$

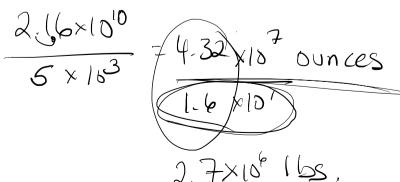
$$= \frac{1}{5} \times 10^{-3} = .2 \times 10^{-3}$$

$$\frac{1}{5000} \times \frac{2}{10000} = \frac{2}{10000}$$

$$\frac{2}{2} \times 10^{-3}$$

$$\frac{2}{3} \times 10^{-3}$$

$$\frac{2.6\times10^{10}}{5\times16^{3}}$$



2,700,000 lbs/ $\frac{2.7\times10^6}{2.35\times10^3}$ = 1.35×10³ form 1350 tons /