

Problem 1: A collection of critters weight 3000 lbs with 99% of it being water-weight. If they reduce the water-weight to 98%, how much do the critters weigh?

Solution. 1500 lbs

The non-water weight is 1% of 3000 lbs = 30 lbs. If that becomes 2% of the weight, the total weight would be $30 \text{ lbs} / 0.02 = 1500 \text{ lbs}$.