

Basic Mathematics for Vet Techs – Solve for N Quiz

Name: _____ Date: _____

1. The test lab needs to purchase one environmental chamber for \$11500. The supervisor has put you in charge of the purchase and the accountant says the small business loan will have a $5\frac{1}{2}\%$ interest rate for 4 years. Using the formula $I = PRT$, where P is the cost of the microscope, R is the interest rate and T is time in years. What is the interest on the loan and the total cost of the microscope?

2. We need to add supplement to the rabbit food and the container says the ratio is 0.25 part supplement to 4 parts food. The amount of rabbit food is 1.5 ounces. How much supplement do we need?

3. If Pam places four 500-sheet packages of paper in the empty Xerox copier and the machine can hold 20,000 pieces of paper. The copier is now holding what percentage of paper compared to full.

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4. The records show that the cat measured 14.5 inches the last visit. Today, the cat measures 17.75 inches. What is the increase in the cat's length by percent?

5. A crate of supplies has $\frac{2}{15}$ of the contents that are unacceptable for use. If the crate holds 2000 boxes, how many boxes are bad and how many are usable?

6. In 2001, there was an estimated 4.8 million rabbits being raised in 2.7 million households in the United States. What is the number of rabbits per household? If there are 112,000,000 households in the United States, what is the percent of households that own a rabbit?