

Basic Mathematics for Vet Techs – Solve for N and Percents

Name: \_\_\_\_\_ Date: \_\_\_\_\_

1. Ryan, the Vet technician went into the forest with Dr. Stewart. They tagged 48 adult box turtles in one day by Smith's Creek. The next year, they located 20 box adult turtles and found that 4 were tagged. Estimate how many adult box turtles live near Smith's Creek.

2. The doctor at the zoo has a print of the skeleton of a gibbon. The measurement of the print is 12 centimeters wide by 9 centimeters tall. The doctor would like a larger print made so that the width of the big poster of the skeleton is 48 inches. What will the height of the poster be in inches?

3. Tonya, the Vet Tech mixes a solution of pet food and supplement. The supplement directions say to mix a ration of 1 part supplement to 10 parts dog food (1:10) with the pet food. If there is 1.25 cups of pet food, how much supplement should be added? Can we measure this with a cup container? How?

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4. The average height of an adult male giraffe is 18 feet tall. The average height of a female giraffe is 14 feet tall. What percent of the male giraffe height is a female giraffe?

5. If there are 2.25 ounces of detergent to 3 quarts of water, how many cups of water do we add with 0.5 ounces of detergent?

6. We are mixing a two component chemical compound with component A (2 parts) to component B (7 parts). We have 6.5 kilogram of component A. How much component B do we need?