

Basic Mathematics for Vet Techs

Name: _____ Date: _____

1. Tim, the vet tech is going to clean up a spill and mixes a 1:8 solution of bleach and water. If Frank puts 8 fl. oz. of bleach in the bucket, how many fluid ounces of water should he add?

2. According to mice experts, a full grown mouse weighs 28 grams. Your mouse weighs 18.5 grams. What percent of the mouse's full grown weight is your mouse?

3. Terry, the Vet Tech mixes a solution of pet food and supplement. The supplement directions say to mix a ration of 1 part supplement to 20 parts dog food (1:20) with the pet food. If there is 2.5 cups of pet food, how much supplement should be added?

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4. Micah, the Vet Tech mixes a solution of pet food and supplement. The supplement directions say to mix 1:12 with the pet food. If there is 4.5 cups of pet food, how much supplement should be added?

5. The records show that the dog measured 20.5 inches the last visit. Today, the dog measures 24.75 inches. What is the increase in the dog's length by percent?

6. Valerie, the Vet Tech mixes a solution of pet food and supplement. The supplement directions say to mix 1:12 with the pet food. If there is $\frac{3}{4}$ cup of pet food, how much supplement should be added? The supplement is the smaller of the ratio.

7. If there are 1.5 ounces of detergent to 4 cups of water, how many cups of water do we add with 27 ounces of detergent?

8. If Pam places two 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.

9. We are mixing a chemical compound with component A (2 parts) to component B (5 parts). We have 0.75 kilogram of component A. How much component B do we need?