Name _____ Two-step word problems (3.OA.D.8)

Sharing and Caring

Each year millions of animals need good homes. If you would like to bring a pet into your home, consider visiting your local animal shelter or a humane breeder.

Write two equations to solve each problem. Use a letter for each unknown number.

1. At the shelter, 4 cats each have a litter of 6 kittens. If staff members take 3 kittens at a time to get checked out, how many times will they take kittens before they are done?

2. A citizen donates a 50-pound bag of dog food. The bag breaks as it is being moved in the shelter, and 2 pounds of food are lost. If the shelter feeds a group of dogs 6 pounds of the remaining food a day, how long will the food last?

3. Each week, Mrs. Katz's class collects 9 cans of cat food for the animal shelter. Students collect cans for 4 weeks and then bag the cans to take to the shelter. If students put 6 cans in each bag, how many bags will they use?

4. The animal shelter gets a donation of 250 blankets. The staff puts 150 of them in the kennels right away. They sort the remaining blankets into sets of 10. How many sets of blankets do they have?

5. At one shelter, the adoption fee for dogs is $95. The fee for cats is $50. The Wolfson family has $150 and adopts one of each animal. How much money do they have left?

6. Kit counts 8 horses at the animal shelter and twice as many rabbits. How many horses and rabbits does she count in all?

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“Sharing and Caring”

Answer Key

Letters used will vary.

1. 4 x 6 = a, $a \div 3 = b$, b = 8 times
2. 50 – 2 = a, $a \div 6 = b$, b = 8 days
3. 9 x 4 = a, $a \div 6 = b$, b = 6 bags
4. 250 – 150 = a, $a \div 10 = b$, b = 10 sets
5. \$95 + \$50 = a, \$150 – a = b, b = \$5
6. 8 x 2 = a, $a + 8 = b$, b = 24 horses and rabbits

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