Problem 1. The mountain gnome, who loves cats, has 20 pets – cats and kittens. Every Sunday, mountain gnome gives a total of 92 cat treats to his pats. Every cat receives 5 pieces, and every kitten receives 3. How many cats and how many kittens does mountain gnome have?

Problem 2. A father-troll is twice as old as his son-troll. The sum of their ages is 48 years. How old is each of them?

Problem 3. Old troll MacDonald has 32 animals on his farm – all pigs and hens. Together, these animals have 104 legs. How many pigs and how many hens are there at the farm?

Problem 4. At a certain birthday party, 30 troll-kids were offered ice cream. The reckless ones ate 8 servings each; the cautious ones ate 3 servings each. Together, troll-children consumed 115 servings of ice cream. The next day, all the cautious troll-kids turned up at school, and all the reckless ones stayed at home with stomach aches. How many reckless troll-kids were there at the party?

Problem 5. Staff brought the elephant 9 buckets of water, with 6 liters in each. 27 liters he drank himself, and used up the rest on spraying the director of the zoo. How many buckets were sprayed on the director?

Problem 6. Zalamazoo Zoo has just received a new shipment of zebras and ostriches. The newcomers have a total of 30 heads and 84 legs. How many ostriches and zebras were shipped to the zoo?