

## Snake Pit, Snake 1.



**Problem 1.** If you add up the mountain gnome's age and his sister's age, you get 53 years. The mountain gnome is 9 years older than his sister. How old is the mountain gnome?

**Problem 2.** The mountain gnome has candy after the Trick or Treat. He dreams of having three times more candies in his bucket. The gnome noticed that his dream would come true if he added 18 candies to his bucket. How many candies does he have now?

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

**Problem 4.** 30 absent-minded gnome-boys and gnome-girls study at the Sunny Hills elementary school. During the month of October, every absent-minded gnome-girl lost 3 jackets, and every absent-minded gnome-boy lost 7 sweaters. In total, the absent-minded students lost 134 jackets and sweaters during the month of October. How many absent-minded gnome-girls study at Sunny Hills?

## Snake Pit, Snake 2.

**Problem 1.** 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 2.** Jim, Bob and Siegfried are three hungry trolls who took part in a rock-eating contest on Halloween. Jim gobbled down 1 less rock than Bob and Bob ate 1 less than Siegfried. How many rocks did Siegfried eat if it is known that together they consumed 2022 rocks?

**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?



### Snake Pit, Snake 3.

**Problem 1.** The sum of three consecutive numbers is 165. What are these numbers?

**Problem 2.** 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 3.** 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?

**Problem 4.** The day after Halloween, Tim and Alex were admitted to the hospital with stomach cramps. Their mother told the emergency room doctor that she had found 141 empty candy wrappers in the boys' room.

The hospital policy is to apply a stomach pump to anyone who ate more than 65 candies. Tim claims that he does not need the procedure since he ate 7 less pieces of candy than Alex. Is he going to get his stomach pumped? How about Alex?

