

Kia ora tamariki mā

Can you help me figure out the answers
to these tricky riddles?



1

Farmer Brown and Farmer Green were deliberating on the fence between their farms.

Farmer Brown says "You know, I was just thinking. If you gave me one of your cows, then we would have the same number of cows." Farmer Green replies, "If you gave me one of your cows, then I would have twice as many as you!"

How many cows does Farmer Brown have and how many cows does Farmer Green have?

2

I have more than two animals at home.

All of them are dogs, except for two. All of them are cats, except for two. All of them are hamsters, except for two. What kinds of animals and how many of each animal do I have?

3

A brick weighs one kilogram plus half of the brick.

What is the weight of one brick?

4

A farmer was asked how many ducks he had.

"Well," he said, "they ran down the path just now and I saw one duck in front of two ducks, a duck behind two ducks, and a duck between two ducks."

5

There are 7 girls on a bus.

Each girl has a backpack. In each backpack, there are 7 big cats. For every big cat there are 7 little cats.

How many legs are on the bus, not counting the driver?

1. Farmer Brown has five and Farmer Green has seven cows.
2. I have three animals: one dog, one cat and one hamster.
3. It weighs 2 kg. Since a brick weighs 1 kg + half of a brick, the 1 kg gives us the weight of the other half of the brick. Since half a brick weighs 1 kg, the brick weighs 2 kg.
4. There are three ducks, one in front of another.
5. There is a total of 10,990 legs.
- > There are 7 * 7 = 343 large cats. They have 343 * 4 = 1372 legs.
- > There are 7 * 7 * 7 = 2401 little cats. They have 2401 * 4 = 9604 legs.
- < There are 7 girls. They have 14 legs.
- < In total we get 1372 + 9604 + 14 = 10,990 legs.

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