

Day 3 Brain Teasers

Batch I - Vikings

Time Limit: 45 Minutes

June 12, 2019

1 Puzzles and Mathematics

1. A school bus travels from Bengaluru to Chennai. There are four children in the bus. Each child has four backpacks with him. There are four dogs sitting in each backpack. Every dog has four puppies with her. All these dogs have four legs, with four toes at each leg. The bus also has 1 driver.

What is the total number of toes in the bus?

2. You are given 8 identical looking balls. One of them is heavier than the rest of the 7 (all the others weigh exactly the same). You are provided with a simple mechanical balance and you are restricted to only 2 uses. Find the heavier ball.

Hint: You can weigh multiple balls at the same time!