

# Gotham



Once upon time is a little bit strange country called Gotham. In Gotham live quite ordinary people, but they are different from us in one thing. Each from they has its favorite school subject, and that is just incomprehensible Mathematics. In town 316 students live, that is 40% of the population. How many people has this strange town Gotham? The king of Gotham has one special requirement for every day. He gives mathematics tasks to his consultants instead other obligations. Today he gave them this task: Cinderella has 1 kg of lentils, 2 kg of beans 3 kg of rice. How many hours she will be sorting these ingredients, in case, that 1 kg she normally sorting half of hour? Consultants tried to find the solution of this task, but didn't solved it out. So they went to school. They went into one of classrooms and told this task to the students. In this moment one little boy gave his hand up and said that Cinderella sorted it just 3 hours. Consultants quickly went to tell this solution the king. How long they had to go to their king, if the school is 1,2 km far from the castle and consultants are fat, so they were running 6 km/h? The king was pleased and said: "Finally you switch your chicken brains on". And gave them a second task: Convert number 4,2 to a fraction. The first consultant gave the hand up and said right solution:  $\frac{21}{5}$ . King till the end of the day didn't be able to think next difficult task, so he said that the whole country has vacation for the rest of this day. Nothing to do, just have fun. It's pretty good country. Because in case that king devises a task in the morning, and later he doesn't know to devises the more tasks, all people have great leisure time, and does no matter what time it is.