

Pat and Mat – grass cutter

(Michal Koválik)

One day Mat decided to cut the grass. How many m^2 of grass are there in garden, if the whole area is $102 m^2$ and the grass covers $1/3$?

After a while the grass cutter started to get out of the order.

So he asked Pat for help. He

advised him to pour the gas into the grass cutter. He was pulling the starter rope so strong that he destroyed the engine. He brought a scythe, but it was abutting. Then Mat brought scissors, but using it was very slow. He thought about new solution. They brought cofferage, scissors, washing machine and the other tools. How many revolutions per minute does the washing machine do, if during one hour does 300 000 revolutions. When they finished the work "grass cutter" looked like this: instead an engine there was a washing machine, in front there was a lath with scissors. How many scissors are there on the lath, if it is 50 cm long and the scissors are wide 5cm. The distance between them is 5cm too. He could plug in and cut the grass.

