

# Lesson 9: Game

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## **Problem 1.**

Magnus played in a chess tournament with 20 games, and earned 12.5 points. How many more games did he win, than lose? In a chess tournament, you earn 1 point for a win, 0.5 for a draw, and 0 for a lose.

## **Problem 2.**

Mike has 130 details. He can build a toy windmill using 5 details, a ship using 7 details, and a plane using 14 details. A plane costs 19 coins, ship - 8 coins, and windmill - 6 coins. What is the largest amount of coins Mike can earn?

## **Problem 3.**

Mark 6 points on the plane such that for each point there would be exactly three other points at a distance 1 from it.