

Day 2: Basic Probability Puzzles #4

Objective

In this challenge, we practice calculating probability.

Task

*Bag*₁ contains 4 red balls and 5 black balls.

*Bag*₂ contains 3 red balls and 7 black balls.

One ball is drawn from the *Bag*₁, and 2 balls are drawn from *Bag*₂. Find the probability that 2 balls are black and 1 ball is red.

Output Format

In the editor below, submit your answer as *Plain Text* in the form of an irreducible fraction *A/B*, where *A* and *B* are both integers.

Your answer should resemble something like:

3/4

(This is **NOT** the answer, just a demonstration of the answer format.)