

Day 2: Basic Probability Puzzles #4

Objective

In this challenge, we practice calculating probability.

Task

Bag₁ contains 4 red balls and 5 black balls.

Bag₂ contains 3 red balls and 7 black balls.

One ball is drawn from the *Bag₁*, and 2 balls are drawn from *Bag₂*. 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.)