

4. The probability that I will go sailing today AND the fair six-sided die will come up even on the

If I toss each coin once, what is the probability that at least one of the coins will come up tails?

If these events are independent, what is the probability that I will go sailing today?

6. What is the probability, when drawing 5 cards from a fair 52-card deck, of drawing a "full

8. I am at my office AND not working 2% of the time. I am at my office 10% of the time. What is

9. The factory quality control department discovers that the conditional probability of making a

manufacturing mistake in its precision ball bearing production is 4% on Tuesday, 4% on

10. An Urn contains two white marbles and one black marble. A marble is drawn from the Urn

What is the probability that the unknown removed marble is white, and what is the

11. What is the probability, if I flip a fair coin with heads and tails ten times in a row, that I get at

12. Suppose I have either a fair coin or a bent coin, and I don't know which. The bent coin has a

I throw the coin ten times and it comes up heads 8 times. What is the probability I have the

Assume at the outset there is an equal (.5, .5) prior probability of either coin.

\*Please note that in order to fit the entire formula in the feedback, probability has been

without replacement and put aside without my seeing it. Then a second marble is drawn, and

The Company manufactures an equal amount of ball bearings (20%) on each weekday. What

5. I have two coins. One is fair, and has a probability of coming up heads of.5.

The second is bent, and has a probability of coming up heads of .75.

house" (three of a kind and a pair) in the form AAABB?

Written "p(I go sailing | it does not rain)"?

7. If it rains, I do not go sailing. It rains 10% of days; I go sailing 3% of days.

If it does not rain, what is the (conditional) probability that I go sailing?

the conditional probability that I am not working, if I am at my office?

Wednesday, 4% on Thursday, 8% on Monday, and 12% on Friday.

is the probability that a defective ball bearing was manufactured on a Friday?

0 / 1 puntos

1/1 puntos

1/1 puntos

1 / 1 puntos

1/1 puntos

1 / 1 puntos

1 / 1 puntos

1 / 1 puntos

1 / 1 puntos

✓ Correct

next roll is .3.

Incorrect

✓ Correct

✓ Correct

✓ Correct

✓ Correct

✓ Correct

it is white.

probability that it is black?

✓ Correct

least 8 heads?

✓ Correct

abbreviated to "prob."

✓ Correct

60% probability of coming up heads.

fair coin vs. the probability I have the bent coin?