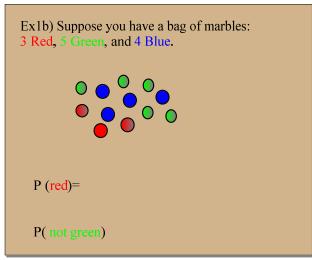


Oct 1-3:24 PM



Oct 2-8:28 AM

Try: Find the following probabilities for drawing a specific card(s) from a 52 card deck. (4 different suits and 13 in each)

- 1. P(club)
- 2. P(Queen)
- 3.P(King of hearts)

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Ex2) Odds - when all outcomes are equally likely that an event will occur.

fomula: Odds = #favorable outcomes #unfavorable outcomes

If given the word MISSISSIPPI:

Ex2a) What are the odds of choosing an I?

What are the odds of choosing an S or a P?

Given a 6 sided dice:

Ex2b) What are odds of rolling a 3?

What are the odds of a # less than 2?

What are the odds against getting a 4?

Oct 2-8:41 AM

Try #4: What are the odds of drawing a heart in a deck of cards?

Try #5: What are the odds of drawing a 7?

Ex3) *Complement* of an event - consists of all the outcomes not in the event.

P(freshman passing algebra I) = 89%

What is the probability of failing?

P(rains today) = 40%

What is the p(it doesn't rain) =

Oct 2-8:46 AM Sep 20-1:47 PM

1

Ex4a) Finding Experimental Probability
Ex4a) After receiving complains about their skateboards, a manufacturer randomly inspects
1000 skateboards. Of those, 992 had no defects.
What is the p(board is defective)? Write it as a percent?

Ex4b) If the same manufacturer has 8976 skateboards in its warehouse, how many are likely to be defective?



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