

Name _____ Date _____

Description of Investigation and Student Report
Be an Investigator

Dear Investigator _____,
(name)

I have a job where I fill jars with gumballs. It is a pretty easy job. I just fill the jars and send them out. No problem. Well, today I got asked for some jars of gumballs that will be used in some probability experiments. The jars need to be filled in a very special way, and I cannot figure out how to do it. I am sending you the information about the jars. I hope you can tell me what I should do.

Sincerely,
Tanya LaChance

Information

Jar A

50 gumballs
2 colors: red and blue
Chance of picking red is 1 out of 5.

Jar B

100 gumballs
2 colors: white and blue
Chance of picking blue is 3 out of 10.

Jar C

100 gumballs
3 colors: red, white, blue
Chance of picking white is 4 out of 10.
Chance of picking red is 5 out of 10.

Name _____ Date _____

Be an Investigator
Student Report

Dear Ms. LaChance:

Here is what you should put in each jar.

Jar A

Number of red gumballs: _____

Number of blue gumballs: _____

The reason I know the chance of picking red is 1 out of 5 is: _____
_____**Jar B**

Number of white gumballs: _____

Number of blue gumballs: _____

The reason I know the chance of picking blue is 3 out of 10 is: _____
_____**Jar C**

Number of red gumballs: _____

Number of blue gumballs: _____

Number of white gumballs: _____

The reason I know the chance of picking white is 4 out of 10 and the chance of
picking red is 5 out of 10 is: _____

Let me know anytime you get stuck. I am happy to help.

Yours truly,

Investigator _____
(your name)