MINECRAFT CHEATING

NAME

CLASS

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Question 1:

This dropper will drop a random item from its 9 full spots when activated

a) What is the chance of you getting pink dye? (the middle one!)
b) what is the chance of getting two pinks in a row on the first two drops?
hint: don't worry about the number 64 at all in this question.

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Question 2:

Spiders

chance of getting a spider eye when you kill a spider is 1/3

a) how many spider eyes would you expect if you killed 12 spiders?
b) If you have 16 spider eyes - what is a good guess of how many spiders you could have killed?

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Question 3:

A "drowned" sometimes carries a trident - but to get the trident is difficult

chance of drowned having a trident - 1 /16
chance that he will drop his item for you - 17/200

a) What is the chance of you getting a trident when you kill a "drowned"?
b) Convert your answer to a % (use a calculator if needed)
c) how many tridents would you get from 500 drowneds?

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Question 4:

Sheep can randomly spawn in four colours

chance of white = 78%
chance of black = 4.75%
(also light grey and grey)
chance of brown = 2.85%
chance of pink(!) = 0.16%

a) If you see 200 sheep, what colours of each would you have expected to see?
b) what chances are there of finding two white sheep together?
c) the chance of it being a baby (lamb) is 5% what are the chances of finding a pink lamb?

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Question 5: Checking Dreams speedrun

Blazes

chance of dropping one
blaze rod = 1/2

a) What are the chances of three blaze rods dropped in a row?
b) If you killed 305 blazes - how many blaze rods would you expect?

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Question 6: Checking Dreams speedrun

Piglins will trade with you if you have gold. They can give you over 15 different items. Here are some of the probabilities:

chance of enchanted book = 5/459
chance of ender pearls = 10/459
chance of gravel = 40/459
chance of string = 20/459

a) what is the chance of getting two ender pearls in a row?
b) if you traded 262 times, how many times would you trade ender pearls roughly?
c) if you get 2.5 (average) ender pearls each time it trades ender pearls - how many ender pearls would you expect from part (b)

WRITE ONE SENTENCE ABOUT THIS LESSON (AND GIVE IT A SCORE):

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