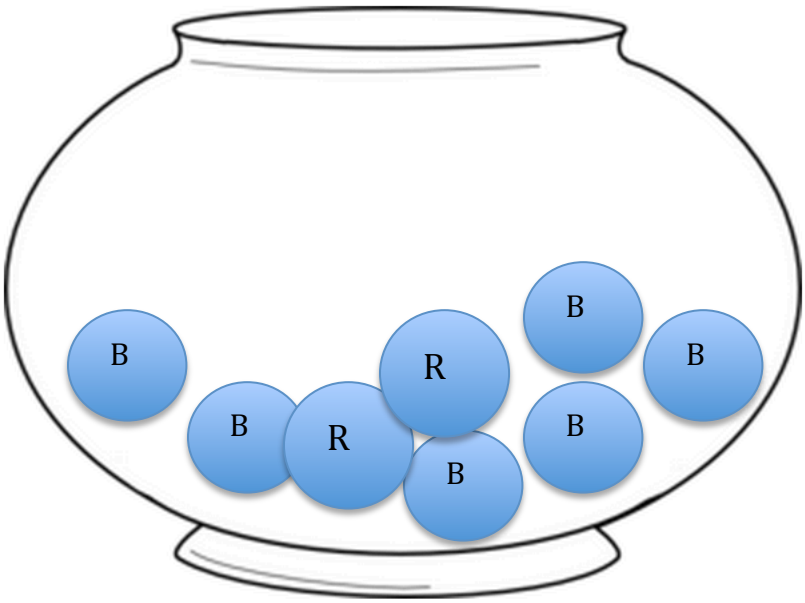
SKILL PRACTICE: DEPENDENT EVENTS

NAME _____

HOMEWORK: "DEPEND ON ME"

Suppose you draw marbles from these jars **without replacement**. Give each probability as a fraction in simplest form, a decimal and a percent.



7) P (B, R) _____

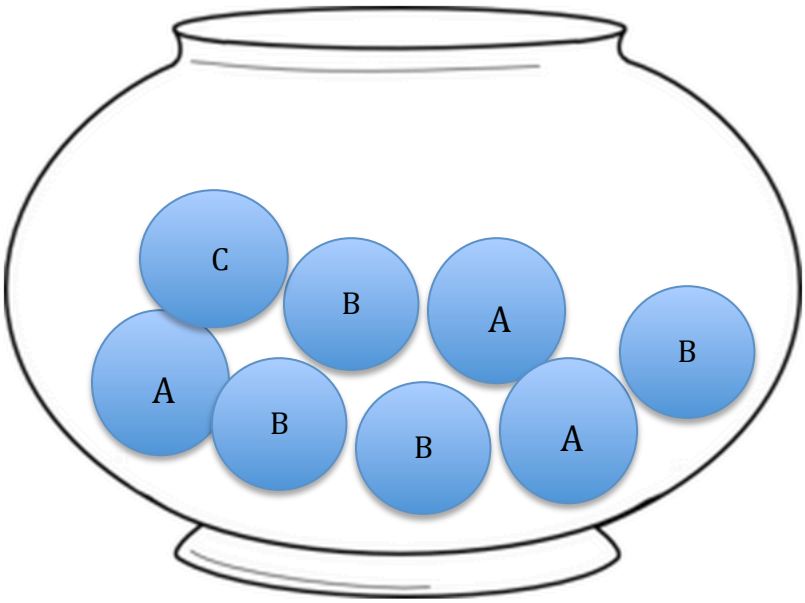
8) P (B, B) _____

9) P (R, R) _____

10) P (R, B) _____

11) P (R, R, B) _____

12) P (B, B, B) _____



1) P (A, B) _____

2) P (A, C) _____

3) P (B, A, C) _____

4) P (B, A , A) _____

5) P (B, B, A) _____

6) P (A, A, A) _____

13) A jar contains 4 white chips, 5 purple chips, and 1 black chip. Chips are selected randomly one at a time, and are not replaced. Find the probability of the following.

a. P(purple then black)

_____

b. P(black then white)

_____

14) A shuffled deck of cards is placed face-down on the table. It contains 4 hearts, 5 diamonds, 7 clubs and 8 spades. What is the probability that the top two cards are one of the diamonds followed by one of the hearts?