Show probabilities as % (to nearest 0.01)
and as fractions (reduced)

1. A ball is drawn at random from a box containing 6 red balls, 4 white balls, and 3 blue balls.

    a. Determine the Probability that it is red.

    b. Determine the Odds Against red.

$[6/13 \; ; \; 7:6]$

2. A card is drawn from an ordinary deck of 52 cards. Determine the probability the card will be a red ace? [See back page of Notes if unfamiliar with a deck of cards]

$[1/26]$

3. If **three** coins are tossed, what is the probability that each will show a head? *(A bit advanced question?)*
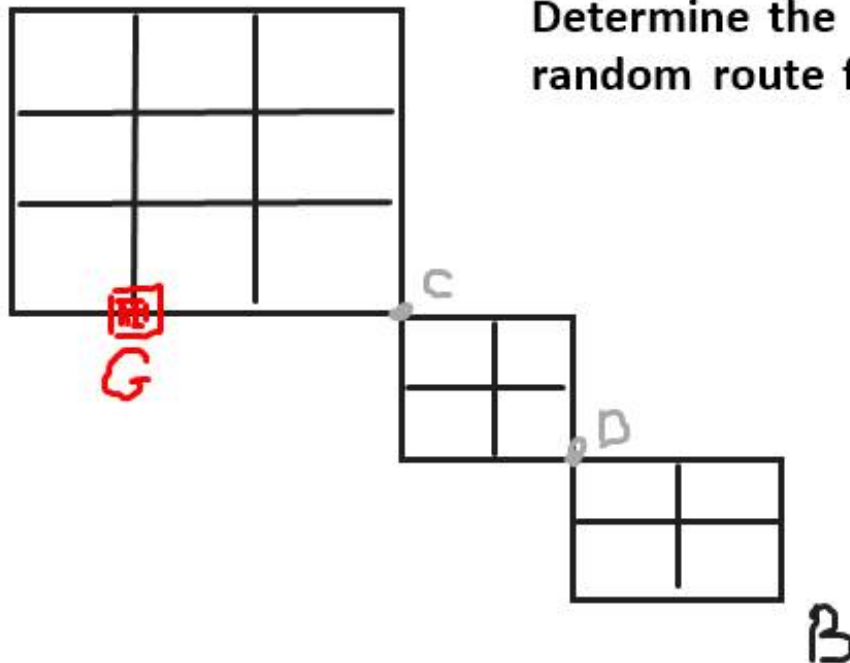
$[12.5\%]$

4. The serial number of a $10 bill contains 8 digits. If your $10 bill contains the digit 7 at least once, you win a prize. What is the probability that your $10 bill will win? [A rather advanced question, will do these soon though! You have to know how to count!]

5. A marble is chosen from a bag containing 3 red marbles, 2 blue marbles and 1 black marble. Find the probability that it is not black. $P(\overline{black})$

[5/6]

6. A

Determine the probability that when Tyler takes a random route from A to B that he passes point G.

C

G

D

B