PUZZLON SET-1

1. What's the Time?   (15 points)

If my hour hand and minute hand are at an acute angle and it is given that the hour hand and the minute hand are at equal distances from the 6 hours, what time is it now?

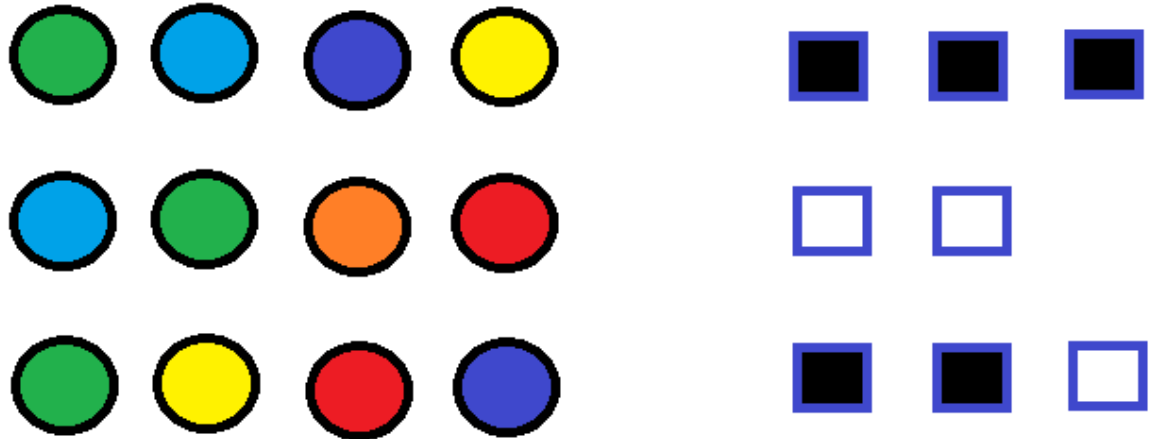(Note: If there is more than one possibility, list all of them)

2. Master Mind Puzzle   (15 points)

The following type of colors are given,(R O Y G B P)

There is a color sequence consisting of non-repeated colors from the above colors. Find out the sequence if the following information is given:

Green	Light Blue	Blue	Yellow		Black	Black	Black
Light Blue	Green	Orange	Red		White	White	
Green	Yellow	Red	Blue		Black	Black	White

(No. of black boxes indicates the no. of colors present, but in the wrong position; no. of white boxes indicates the no. of colors present and in the right position)

For example:

If the sequence was

| Brown | Pink | Orange-Yellow | Light Yellow |

Then

| Brown | Orange-Yellow | Pink | Purple | | Black | Black | White |

i.e., yellow and light pink are present, but are in the wrong position indicating two black and brown is present in the correct position indicating one white)

(Note: Answer can be given in terms of an alphabet sequence like RGBY if the sequence is

)

3. A game of Chess   (10 points)

Can an 8 X 8 chessboard be covered by 15 T-tetraminos and one square tetramino? Give explanation to your answer.

4. Sudoku →   (15 points)

In this Sudoku variation, each circled number is the sum of the numbers along the corresponding arrow path.

(Send the solution in the following format:

1 2 3 4 5 6 7 8 9

4 5 6 7 8 9 1 2 3

7 8 9 1 2 3 4 5 6

1 2 3 4 5 6 7 8 9

4 5 6 7 8 9 1 2 3

7 8 9 1 2 3 4 5 6

1 2 3 4 5 6 7 8 9

4 5 6 7 8 9 1 2 3

7 8 9 1 2 3 4 5 6

No need to put them in a grid)

5. Help Mr. Looney!   (20 points)

Elmer Fudd the *de facto* archenemy of Bugs Bunny

has planted traps near the home of our beloved Bugs Bunny. Due to the large no. of burrows in the land, Elmer Fudd has planted only one trap per burrow on the adjacent square (either on the top, bottom, left or right). The squares used by the traps do not touch each other, not even diagonally and the burrows don't have a common trap. Locate the traps and help poor Bugs. The number on right and bottom of the grid show how many traps can be found in the corresponding row or column. The brown dots represent the burrows.
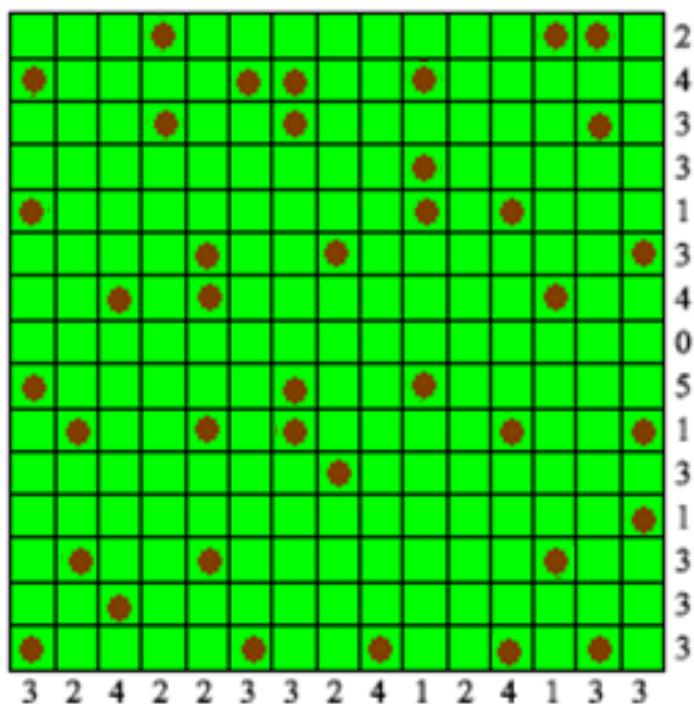
(Note: The above image has been uploaded along with the problem set. In the solution, copy the image to paint and fill the blocks with traps to be black and paste it back)

6. Let's Play Poker   (25 points)

Five 'friends'(Harry, Tom, Ron, Neville, and Malfoy) decide to liven up their weekly Saturday night poker game. They shuffle and deal the highest 25 cards (all 9's through aces, plus one 8) and when all the cards are dealt, the hands look like this:

Hand A: [face down] K♣ Q♣ J♣ 10♣

Hand B: [face down] K♦ K♣ Q♦ Q♦

Hand C: [face down] J♠ 9♣ 9♦ 9♠

Hand D: [face down] A♥ Q♦ J♦ 8♥

Hand E: [face down] A♠ A♦ 10♠ 10♦

Malfoy, who is neither Mr. Riddles nor Mr. Longbottom, has the best hand showing.

Mr. Longbottom knows that only Mr. Black could have a better hand than he does.

Mr. Potter has a flush.

Neville knows that Harry only has two pair.

Ron, who is not Mr. Weasley, has the 4th best hand.

Given the clues above, determine all the players' first and last names.

(For rules of poker refer http://www.pokerlistings.com/poker-rules , names not related to "Harry Potter novel" 😜)

(The deadline for the event is 26th January 2011)

(Send your solution to puzzlon@gmail.com in a pdf or word format with your subject as Puzzlon-Set-1 followed by your **user name** in ELAN)