Develop an algorithm and draw its flowchart for the following problems:

1. Your friend gives you 2 numbers. You will find their multiplication if the 1\textsuperscript{st} number is greater than the 2\textsuperscript{nd} number; or their summation if the 2\textsuperscript{nd} number is greater than the 1\textsuperscript{st} number. If they are equal find their average.

2. A student wants to find CGPA score. S/He inputs the letter grades of each course one by one, and their credits (total of 10 courses). Then CGPA score is calculated. (Assume letter grade AA has 4 credits, FF has 0).

3. For the above question, assume there are 30 students in a class and you will find CGPA of each one after another.

4. In a game, cards are drawn one after another from a deck. If the summation of the two consecutive cards is less than 10 (consider pictured cards point 10), player gets 5 points; if it is between 10 and 15, player gets 12 points and if it is greater than 15 player gets 18 points. Assume 1 player plays the game and you will decide the score of the player after 52 cards are drawn.

5. For the above question, assume there are 10 players and each will play the game one after another. Decide on the scores of each player.