1)

Do

Prompt user to input exam scores

Prompt user to input Y or y to continue loop

Get answer (user input Y or y but different characters will terminate the loop)

Get double userScores

double sum+=userScores;

numOfUsers++;

while (answer==’y’ || answer == ‘y’);

END Do while loop

Calculate the average=sum/numOfUsers;

Show(average)

|  |  |  |
| --- | --- | --- |
| Input | Processing | Output |
| Number OfUsers=0;  Sum=0;  User Scores;  Average; | Receiven umberOfUsers  Receive Sum  Receive UserScores  Receive Average  average =(sum+=userscores)/ number of users | Daisplay variable average |

2)

Int gallons=231

Prompt user to input int height

Prompt user to input int width

Prompt user to input int dimensions

Convert height and width to inches

Calculate int number of gallons = (converted height \* width \* dimensions)/gallons

Show(number of gallons)

|  |  |  |
| --- | --- | --- |
| Input | Processing | Output |
| IntGallons=231  IntHeight  IntWidth  intDimensions | ReceiveGallon  Receive height  Receive width  Receive dimensions  Number of gallons will equal the multiplications of the converted height and width and then multiplied by dimensions, then divide the result for gallons | Display int number of gallons |