

Homework #5. While loops.

Make sure to change the variables that you are checking in while stipulations. Otherwise, your program will be stuck in an infinite loop.

Tasks:

1. Using the while loop, print the square and cube of all numbers between 10 and 20 (included). Your output should look like this: "The square of 10 is 100. The cube of 10 is 1000."

2. For one portion of pancakes we need 200 ml of milk and 150 g of flour. Write a program that takes the amount of flour and milk that the user has, and returns the number of portions that can be cooked.

Note: this program can be solved without the use of a while loop. Write both options, if you have figured it out.

3. A bicyclist goes 10 miles in 1 hour, and a car driver covers 60 miles in 1 hour. Given that they are going in the same direction and both of them manage to keep the same speed forever, write a program where a user inputs the distance between the bicyclist and the driver. The result should be the amount of hours it would take the driver to reach the bicyclist. Use a while loop to solve this problem.

Do several testing runs, for example:

```
#input = 20 miles  
#return "The driver will reach the bicyclist in 1 hour"
```