Homework
Week 1

Bogazici Airbenders UAV Team

Problem 1. As a candy shop owner, each day you have N candies, and standard boxes that take 9 candies each and non-standard boxes that take M candies each. Each day you use either standard or non-standard boxes. You want to automate the computation by writing a program that takes N and M as inputs and prints out how many standard or non-standard boxes it would take to fill the boxes with candies and how many candies would be left out.

Essentially, take N and M as inputs then print the quotient and remainder when N is divided by M and 9 separately.

Problem 2. You are a tiler trying to calculate the cost of a triangle tile. The tile costs 0.80$ per unit of area. Write a program that prints out the cost of a tile, taking three sides of the triangle as input.
   You may want to use Heron's formula.

Essentially, take three sides of a triangle as input, print the area of the triangle multiplied by some constant.

You can take the square root of a number as follows,

```cpp
#include <iostream>
#include <cmath>

int main()
{
    std::cout << sqrt(2);

    return 0;
}
```

 prints out 1.41421.