import java.util.Scanner;

//name Breakcoins

public class Breakcoins{

public static void main( String[] args ) {

// Create a Scanner object for console input

Scanner input =new Scanner(System.in);

//Declare variables

int amount;

int total;

System.out.print( " Input an amount: " );

amount = input.nextInt(); //input value into total from keyboard

total = amount/10;

System.out.println( " 10-dollar coin(s): " + total);

total = amount%10/5;

System.out.println( " 5-dollar coin(s): " + total);

total = amount%5/2;

System.out.println( " 2-dollar coin(s): " + total);

total = amount%2/1;

System.out.println( " 1-dollar coin(s): " + total);

}

}

import java.util.Scanner;

public class Geometric{

public static void main( String[] args ) {

// Create a Scanner object for console input

Scanner input =new Scanner(System.in);

//Declare variables

int S;

int a;

int R;

int n;

System.out.println( " S=a(R^n-1)/R-1 " );

System.out.println("a=");

a = input.nextInt(); //input value into total from keyboard

System.out.println("R=");

R = input.nextInt(); //input value into total from keyboard

System.out.println("n=");

n = input.nextInt(); //input value into total from keyboard

S = a;

S \*= (Math.pow(R, n)-1);

S /=(R-1);

System.out.println("S="+S);

}

}