

Module 4 - Main Method Assignment - Model Answer

MathMethods2.cs

```
using System;

namespace MainMethodAssignment
{
    public class MathMethods2
    {
        //First method that takes an integer
        public int MathOp(int number)
        {
            return number + 7;
        }
        //Second method that takes a decimal
        public int MathOp(decimal number)
        {
            //Convert the decimal to an int to perform math operation
            int newnum = Convert.ToInt32(number);
            return newnum * 20;
        }
        //Third MathOp method that takes a string
        public int MathOp(string number)
        {
            //Convert the string to an int to perform math operation
            int newnum = Convert.ToInt32(number);
            return newnum % 3;
        }
    }
}
```

Program.cs

```
using System;

namespace MainMethodAssignment
{
    class Program
    {
        static void Main(string[] args)
        {
            //Instantiate the MathMethods2 class
            MathMethods2 math1 = new MathMethods2();
            //Call the first method with an int parameter
            Console.WriteLine(math1.MathOp(7));
            //Call the second method with a decimal parameter
            Console.WriteLine(math1.MathOp(7.3m));
            //Call the third method with a string parameter
            Console.WriteLine(math1.MathOp("7"));
        }
    }
}
```