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package com.itbulls.learnit.javacore.operations;

import java.math.BigDecimal;
import java.math.RoundingMode;

public class OperationsWithIntegersAndDoubles {

    public static void main(String[] args) {

        int i = 20;
        System.out.println(i / 3);                // 6
        System.out.println(i - (6 * 3));          // 2
        System.out.println((double)i / 3);        // 6.666666666666667

        //

        BigDecimal rideFee = BigDecimal.valueOf(20).setScale(2);
        BigDecimal amountOfPeople = BigDecimal.valueOf(3);
        BigDecimal chargePerPerson = rideFee.divide(amountOfPeople,
RoundingMode.HALF_UP);
        System.out.println(chargePerPerson);    // 6.67

        //

        double d = 3.1;
        double d2 = 1.21;

        //

        System.out.println(d - d2);
        // 1.8900000000000001

        //

        BigDecimal bd3 = BigDecimal.valueOf(3.1).setScale(2);
        BigDecimal bd4 = BigDecimal.valueOf(1.21).setScale(2);
        System.out.println(bd3.subtract(bd4));    // 1.89

    }

}

```