public class Main {

public static void main(String[] args) {

// 定义变量

double a = 9.5;

double b = 4.5;

double c = 2.5;

double d = 3;

double e = 45.5;

double f = 3.5;

// 计算表达式的分子部分

double numerator = a \* b - c \* d;

// 计算表达式的分母部分

double denominator = e - f;

// 计算最终结果

double result = numerator / denominator;

// 显示结果

System.out.println("The result of the expression (9.5×4.5−2.5×3) ÷ (45.5−3.5) is: " + result);

}

}

public class Rectangle {

public static void main(String[] args) {

double width = 4.5;

double height = 7.9;

double area = width \* height;

double perimeter = 2 \* (width + height);

System.out.println("Area of the rectangle: " + area);

System.out.println("Perimeter of the rectangle: " + perimeter);

}

}

public class PopulationProjection {

public static void main(String[] args) {

// Constants for the calculations

final int SECONDS\_IN\_A\_YEAR = 365 \* 24 \* 60 \* 60;

final double BIRTH\_RATE = 1.0 / 7.0;

final double DEATH\_RATE = 1.0 / 13.0;

final double IMMIGRATION\_RATE = 1.0 / 45.0;

// Initial population

long currentPopulation = 312032486;

// Display the initial population

System.out.println("Current population: " + currentPopulation);

// Calculate and display the population for the next five years

for (int year = 1; year <= 5; year++) {

long births = (long) (SECONDS\_IN\_A\_YEAR \* BIRTH\_RATE);

long deaths = (long) (SECONDS\_IN\_A\_YEAR \* DEATH\_RATE);

long immigrants = (long) (SECONDS\_IN\_A\_YEAR \* IMMIGRATION\_RATE);

currentPopulation += (births - deaths + immigrants);

System.out.println("Population at the end of year " + year + ": " + currentPopulation);

}

}

}