Adding Exceptions in necessary places

public class DivideByZeroExample {

    public static void main(String[] args) {

        int numerator = 10;

        int denominator = 0;

        // Handling exception in main method

        try {

            int result = divideNumbers(numerator, denominator);

            System.out.println("Result: " + result);

        } catch (ArithmeticException e) {

            System.out.println("Error: Division by zero is not allowed!");

        }

        System.out.println("Program continues...");

    }

    private static int divideNumbers(int numerator, int denominator) {

        // Division operation (may throw ArithmeticException)

        return numerator / denominator;

    }

}