
JAVA Fundamentals

Arithmetic: Challenge

Worksheet

You have learned the importance int vs double arithmetic in JAVA. You will use your IDE to help check your answers to the arithmetic problems provided below.

Procedure

Create the following program

```
public class Worksheet{  
    public static void main(String [] args){  
        int num1 = 12, num2 = 6, num3 = 4;  
        double val1 = 20, val2 = 1.5, val3 = 4.0;  
        System.out.println();  
    }  
}
```

Calculate each of the following statements on your own, then check your answers by putting the statement into the `println()` method. Did you get it right?

1. `num1 + num2`
 2. `val1 + val3`
 3. `(int)(val1 - num1)`
 4. `num1/num2`
 5. `(num1 + num2)/val2`
 6. `num2*num3/num1`
 7. `(val1 + val3)/num2`
 8. `(double)num3/(num1/num2)`
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