Java → Basic syntax and simple programs → Operations on primitive types → Integer types and operations

Integer types and operations → Desks

📶 Hard ❓   🕐 10 minutes

A university has decided to open math courses and equip classrooms for 3 groups with special new desks. The faculty agreed that in the sake of productivity only two students may share one table. The enrollment has ended, and now the task is to count the number of desks to order the correct amount from the shop. Of course, the university is short of money, so you need to calculate the minimum of desks. But don't forget that each group will sit in its own classroom!

Input data format

The program receives the input of the three non-negative integers: the number of students in each of the three groups (the numbers is not bigger than 1000).

📄 Report a typo

Sample Input 1:

```
20
21
22
```

Sample Output 1:

```
32
```

Sample Input 2:

```
16
18
20
```

Sample Output 2:

```
27
```

↲ Write a program

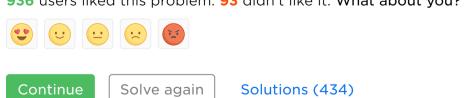**Code Editor**   **IDE**

```Java
1   import java.util.Scanner;
2
3   class Main {
4       public static void main(String[] args) {
5           Scanner scanner = new Scanner(System.in);
6           // put your code here
7           int group1 = scanner.nextInt();
8           int group2 = scanner.nextInt();
9           int group3 = scanner.nextInt();
10          int sum = (group1 + 1) / 2 + (group2 + 1) / 2 + (group3 + 1) / 2;
11          System.out.println(sum);
12      }
13  }
14
```

✓ Correct.

That's an awesome solution! What do you think about showing it off? Post it to Solutions so other learners can enjoy it too.

936 users liked this problem. **93** didn't like it. **What about you?**

😍 🙂 😐 🙁 😡

Continue   **Solve again**   **Solutions (434)**

Time limit: 1 seconds   Memory limit: 256 MB

Comments (153)   Hints (26)   Useful links (0)   Solutions (434)   **Show discussion**