

## 12502 Three Families

Three families share a garden. They usually clean the garden together at the end of each week, but last week, family C was on holiday, so family A spent 5 hours, family B spent 4 hours and had everything done. After coming back, family C is willing to pay \$90 to the other two families. How much should family A get? You may assume both families were cleaning at the same speed.

\$90/(5+4)\*5=\$50? No no no. Think hard. The correct answer is \$60. When you figured out why, answer the following question: If family A and B spent  $x$  and  $y$  hours respectively, and family C paid \$ $z$ , how much should family A get? It is guaranteed that both families should get non-negative integer dollars.

**WARNING:** Try to avoid floating-point numbers. If you really need to, be careful!

### Input

The first line contains an integer  $T$  ( $T \leq 100$ ), the number of test cases. Each test case contains three integers  $x, y, z$  ( $1 \leq x, y \leq 10, 1 \leq z \leq 1000$ ).

### Output

For each test case, print an integer, representing the amount of dollars that family A should get.

### Sample Input

```
2
5 4 90
8 4 123
```

### Sample Output

```
60
123
```