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Problem 1: Recycle!

Difficulty: Easy

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Problem Background

Recycling is very beneficial to the environment. It helps conserve limited natural resources, reduces waste that is sent to landfills, and so much more. In order to encourage people to participate in recycling programs, many local governments offer rebate programs, where you can earn money by bringing aluminum cans, glass bottles, and qualifying plastic items to a recycling center.

Problem Description

The local government has hired Lockheed Martin to set up a new recycling rebate system. To make it easier for recycling center employees to determine the total rebate for a customer, recyclable items are separated and weighed, rather than individually counted.

On average:

- 31 empty aluminum cans weigh one pound
- 15 empty plastic bottles weigh one pound
- One empty glass bottle weighs two pounds

Based on these weights, customers are then paid for each item they brought in to be recycled:

- An aluminum can is worth 5 cents (\$0.05)
- A plastic bottle is worth 10 cents (\$0.10)
- A glass bottle is worth 20 cents (\$0.20)

Your team's task is to write a program that can calculate the appropriate rebate for a customer based on the total weight of each type of recyclable material they turn in.

Sample Input

The first line of your program's input, received from the standard input channel, will contain a positive integer representing the number of test cases. Each test case will include a line containing three non-negative integers separated by spaces, each representing (respectively):

- The weight of aluminum cans, in pounds
- The weight of plastic bottles, in pounds
- The weight of glass bottles, in pounds (this will be an even number)

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2 10 5 8 12 1 2

Sample Output

For each test case, your program must print the total amount of money that should be paid to the customer as a rebate for their recycling efforts. The total should be preceded with a dollar sign (\$) and have two decimal places, including trailing zeroes.

\$23.80 \$20.30