

A	AUNTY ANNE NEW KIOSK	
	Input	Standard Input
	Output	Standard Output
	Time Limit	Null

Problem Description

Aunty Anne has just rented a new kiosk at Bangi Gateway shopping mall. She is very excited with the new kiosk and decided to do a little renovation. She plans to install laminate flooring and started surfing the Internet. She found Robina Lamina Flooring website and is very interested with one of the designs. The design and the price for the laminate flooring are as follows:

Type 1 Meso		RM 2.99 / sqft
Type 2	Econ	RM 1.99 / sqft
Type 3	Catalano	RM 1.99 / sqft
Type 4	Maya	RM 4.20 / sqft
Type 5	Alder	RM 4.99 / sqft

Help Aunty Anne to calculate the cost to install laminate flooring at her new kiosk.

Input

First line of input is an integer N that represents the number of test case, followed by N test cases, where each line of input contains a set of numbers X Y Z. The number X represents the type of the laminate flooring, where $1 \leq X \leq 5$. The following numbers Y and Z represent the width and length of Aunty Anne's new kiosk, where $1 \leq Y, Z \leq 100$.

Output

For each test case, the output contains a line that displays the cost of the laminate flooring at Aunty Anne's new kiosk depending on the type of the laminate flooring she chooses and the width and length of her kiosk.

Example of sample I/O

Sample Input	Sample Output
2	262.68
3 11 12	299.00
1 10 10	