Vitamin A 2x + 4y + 5z = 1000

Student 3: Low Merit

NZ

A Intended for teacher use only

Vitamin C 3x + 7y + 10z = 1600

Vitamin E 5x + 9y + 14z = 2400

x = 300

y = 100

z = 0

If Roger wants his rabbits daily vitamin intake to be 1000 μg of Vitamin A, 1000 mg of Vitamin C and 2400 mg of Vitamin E, in order to meet these exact daily vitamin requirements Roger should feed his rabbits 300 g of Xena feed and 100 g of Yum feed.



Vitamin A 2x + 4y + 6z = 1000

Vitamin C 3x + 7y + 10z = 1600

Vitamin E 5x + 9y + 14z = 2400

Vitamin A 6x + 12y + 18z = 3000

Vitamin C 6x + 14y + 20z = 3200

2y + 2z = 200

Vitamin A 10x + 21y + 30z = 5000

Vitamin E 10x + 18y + 28z = 4800

2y + 2z = 200

These equations are consistent. They are the same and give 0 = 0 and the change to 6 μ g gives multiple solutions.

