Vitamin $A \quad 2 x+4 y+5 z=1000$
Vitamin C $\quad 3 x+7 y+10 z=1600$
Vitamin E $\quad 5 x+9 y+14 z=2400$
$x=300$
$y=100$
$z=0$

If Roger wants his rabbits daily vitamin intake to be $1000 \mu \mathrm{~g}$ 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 $\quad 2 x+4 y+6 z=1000$
Vitamin C $\quad 3 x+7 y+10 z=1600$
Vitamin E $\quad 5 x+9 y+14 z=2400$

Vitamin A $\quad 6 x+12 y+18 z=3000$
Vitamin C $\quad 6 x+14 y+20 z=3200$

$$
2 y+2 z=200
$$

Vitamin A $\quad 10 x+21 y+30 z=5000$
Vitamin E $\quad 10 x+18 y+28 z=4800$

$$
2 y+2 z=200
$$

These equations are consistent. They are the same and give $0=0$ and the change to $6 \mu \mathrm{~g}$ gives multiple solutions.

