

Question:

Uriah's book bag is getting too heavy for him. He needs to remove 15 pounds from it. His comic books weigh $\frac{1}{4}$ pound each and his toys weigh $\frac{1}{2}$ pound each. If he removes 30 comic books, how many toys does he need to remove?

Reasoning + Answer:

<think> Uriah can remove 30 comic books that weigh $\frac{1}{4}$ pound each, so he removes $30 * (\frac{1}{4}) = 7.5$ pounds. He can also remove x toys that weigh $\frac{1}{2}$ pound each so $7.5 + 0.5x = 15$. Then solve for x: $7.5 + 0.5x = 15 - 7.5$, $7.5 + 0.5x = 7.5$, $0.5x = 0$, $x = 0 / 0.5$. x = 0. He can remove no toys </think><answer>0</answer>