

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>` The comic books that Uriah has are $30 \text{ comic books} * \frac{1}{4} \text{ pound each} = \frac{30}{4} \text{ pounds}$. Since he needs to remove 15 pounds , that means the toys weigh $15 \text{ pounds} - \frac{30}{4} \text{ pounds} = 12 \frac{0}{4} - \frac{30}{4} = \frac{90}{4} \text{ pounds}$. The toys that he needs to remove are $(\frac{90}{4} \text{ pounds}) / (\frac{1}{2} \text{ pound each}) = \frac{90}{2} = 45 \text{ toys}$. `</think>` `<answer>`45`</answer>`