

## Question:

Richard lives in an apartment building with 15 floors. Each floor contains 8 units and  $\frac{3}{4}$  of the building is occupied. What's the total number of unoccupied units in the building?

## Reasoning + Answer:

`<think>` In this case, the total number of units in the building can be calculated as  $15 \text{ floors} * 8 \text{ units} = 120 \text{ units}$ . The occupied units in the building is  $\frac{3}{4} * 120 = 90 \text{ units}$ . So, the total number of unoccupied units will be  $120 - 90 = 30 \text{ units}$ . `</think>` `<answer>` 30 `</answer>`