

Question:

Richard lives in an apartment building with 15 floors. Each floor contains 8 units and 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 floors * 8 units = 120 units. The occupied units in the building is $\frac{3}{4} * 120 = 90$ units. So, the total number of unoccupied units will be $120 - 90 = 30$ units. </think><answer>30</answer>