Question:

RobRoyceand Pedro are contractors getting ready to put a new roof on three HomRes. If the three homes will need 250 cases of shingleswith the first house needing 1/2 of the secondand the third needing double the first. How many cases of shingles will the third house need?

Reasoning + Answer:

<think>We know that 3 houses need 250 cases of shingles. So, in total the three houses will need 250/3 cases. So, the second house will need 250/3* 1/2 cases of shingles. So, the first house will need 250/3* 1/2* 1/2 cases of shingles. So, the third house will need 250/3- 250/3* 1/2- 250/3* 1/2* 1/2 cases of shingles. So, the third house will need 250/3* 1/2- 250/3* 1/2* 1/2 cases of shingles more than the first house. So, the third house will need 250/3* 1/2- 250/3* 1/2* 1/2= 250/3* 1/2* 3/2 cases of shingles. So, the third house will need 250/3* 3/4= 75 cases of shingles. </think><answer>75 </answer>