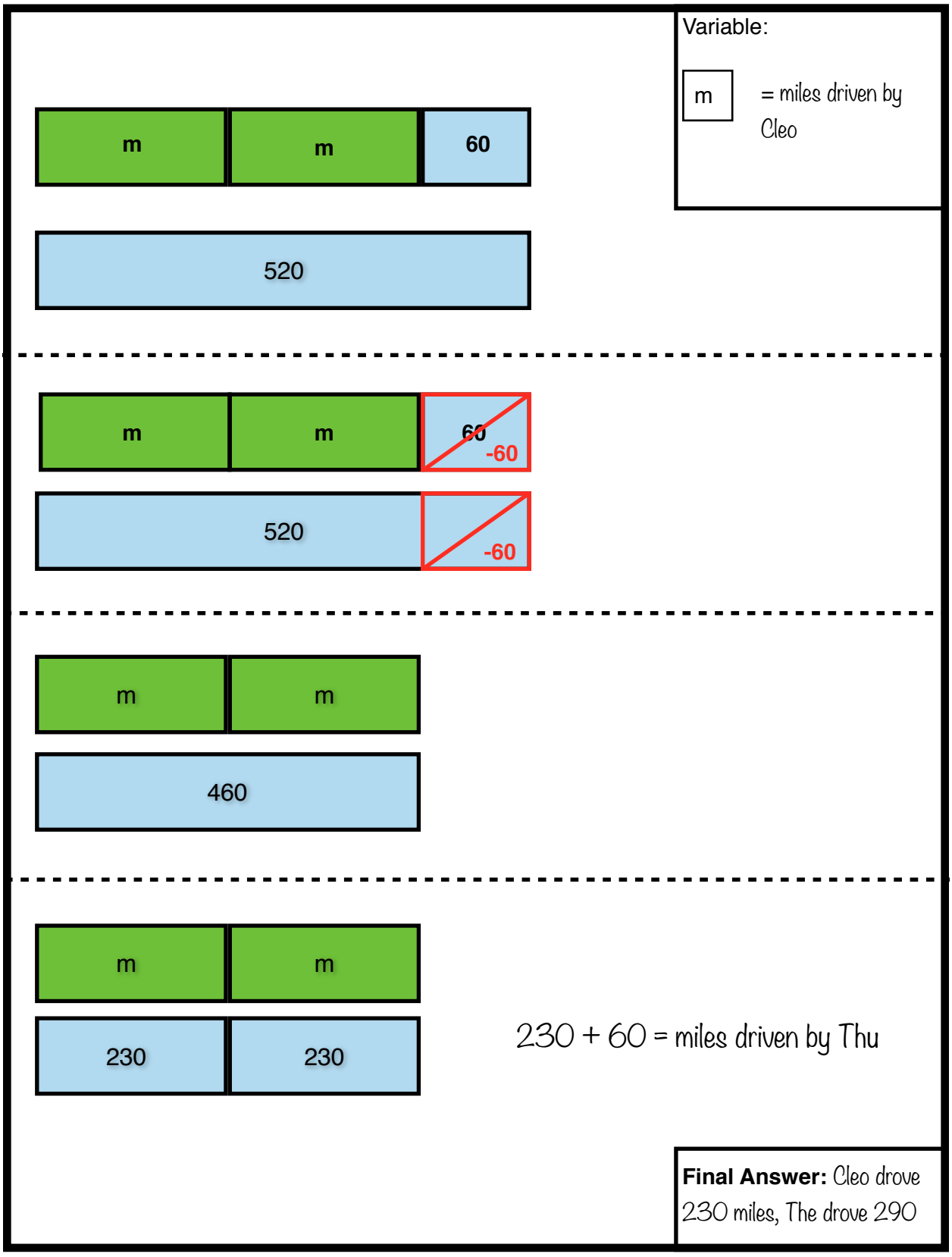
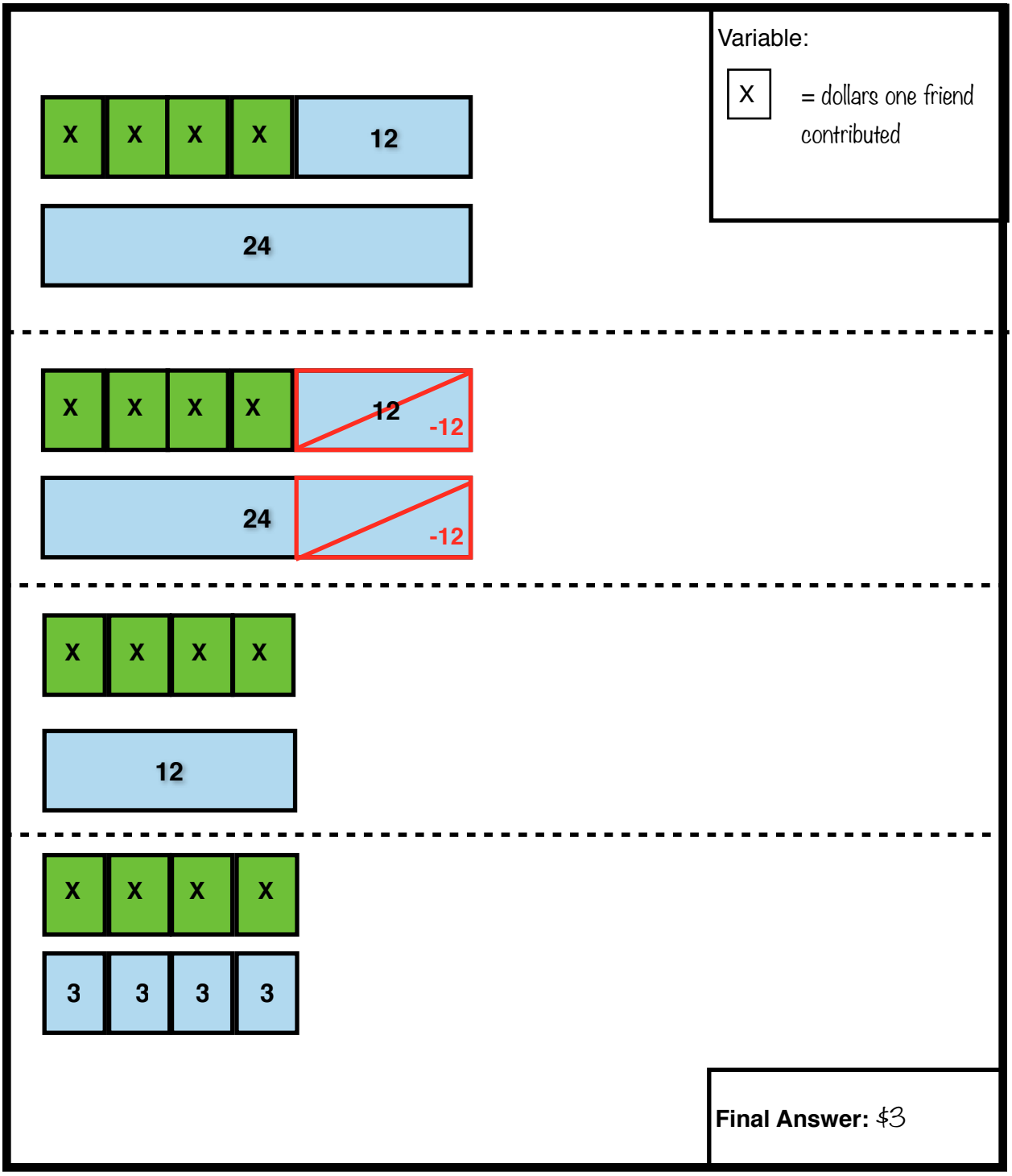
Level 2 Problem 1

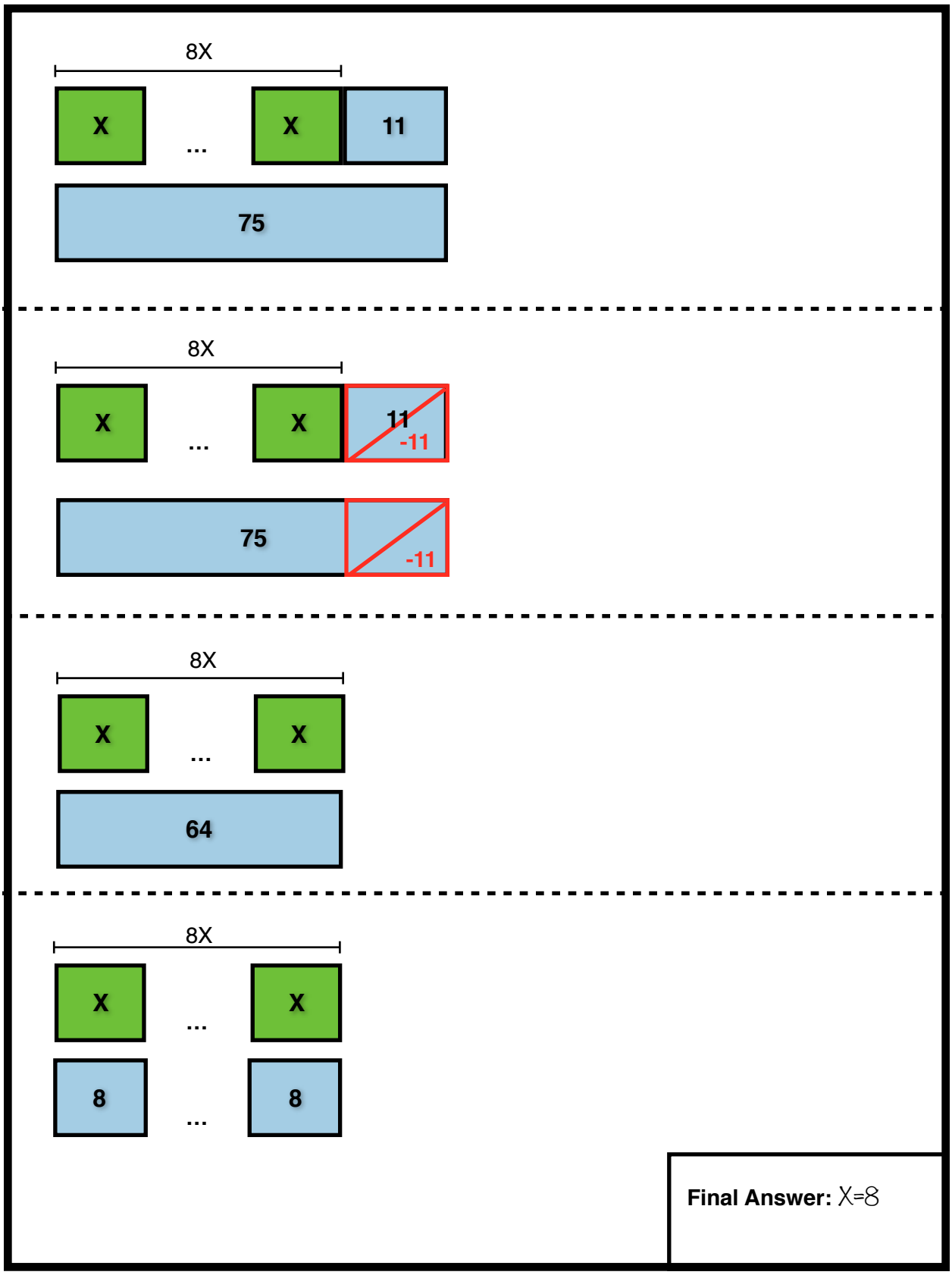
Problem: Thu and Cleo are sharing the driving on a 520 mile trip. If Thu drives 60 miles more than Cleo, how far did each of them drive?



Problem: Linnea is planning on cooking dinner with three of her friends. Linnea's mom agrees to contribute $12 towards the cost of ingredients, and Linnea and each of her friends agree to split remaining cost equally. If the ingredients cost $24, how much will Linnea end up spending?

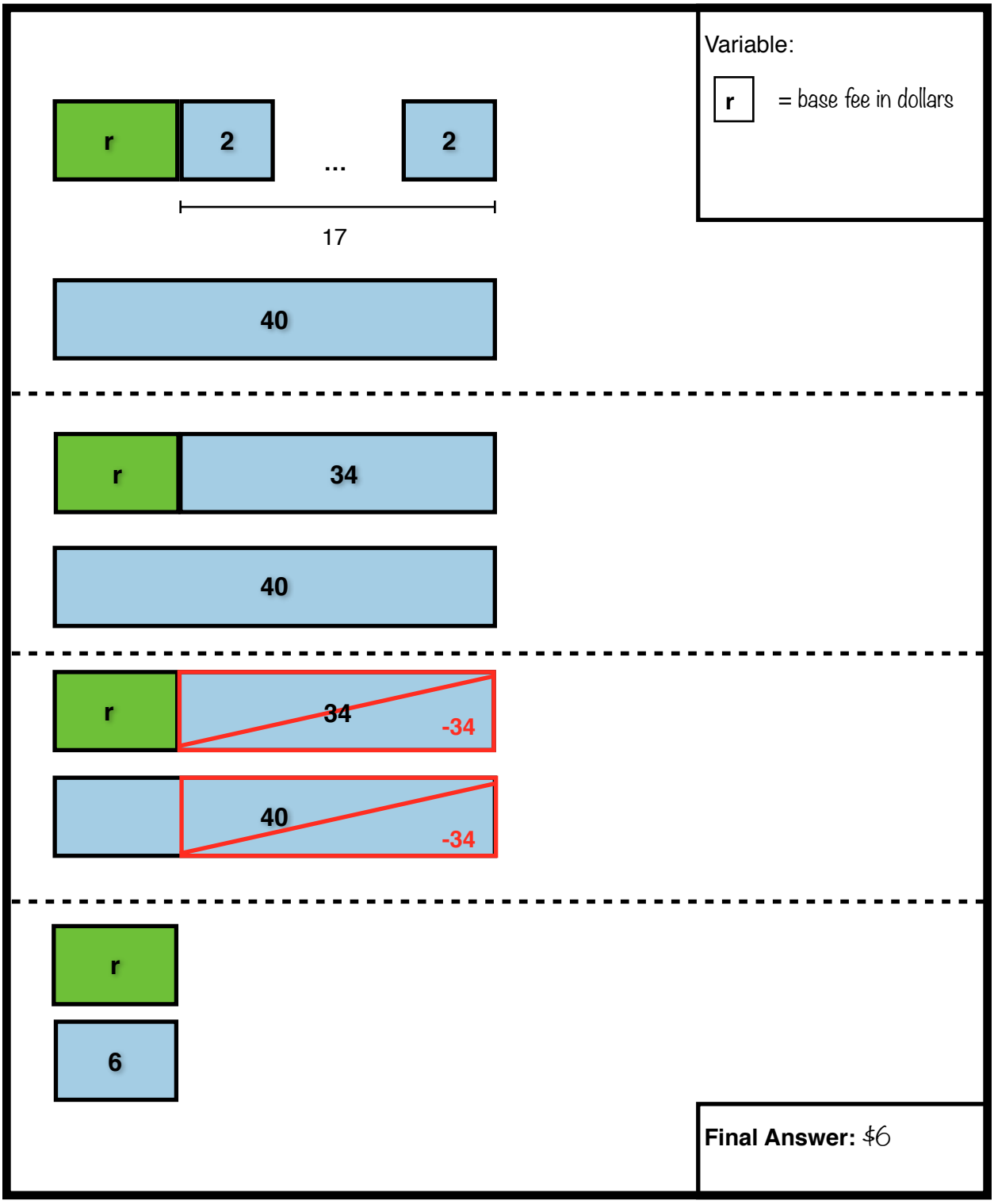


Problem: 75 = 8x + 11

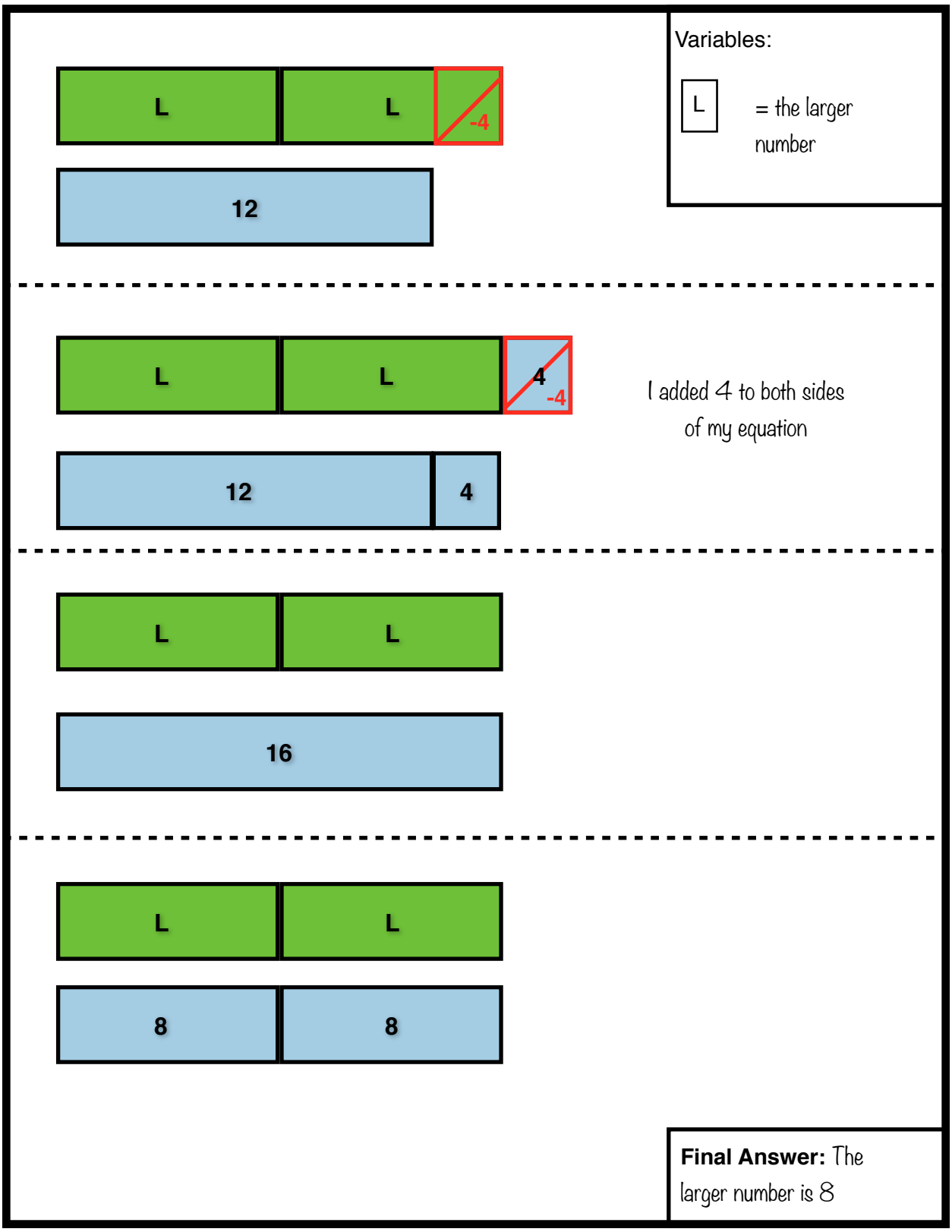


Final Answer: X=8

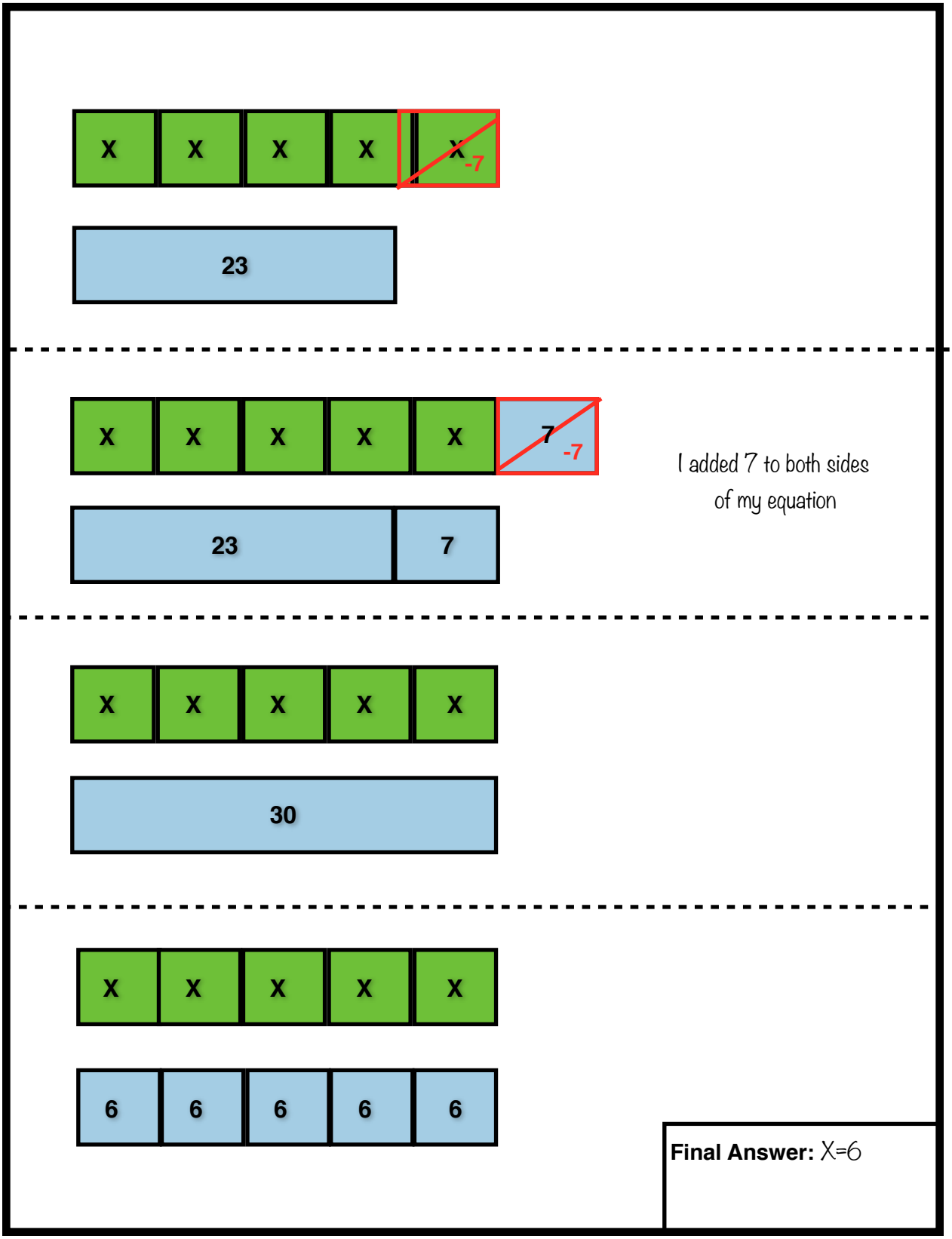
Problem: You ride a taxi for 17 minutes, and you know that they charge a base fee (an amount charged before any minutes have gone by) and $2 per minute. After the trip, $40 dollars total is charged. How much was the base fee?



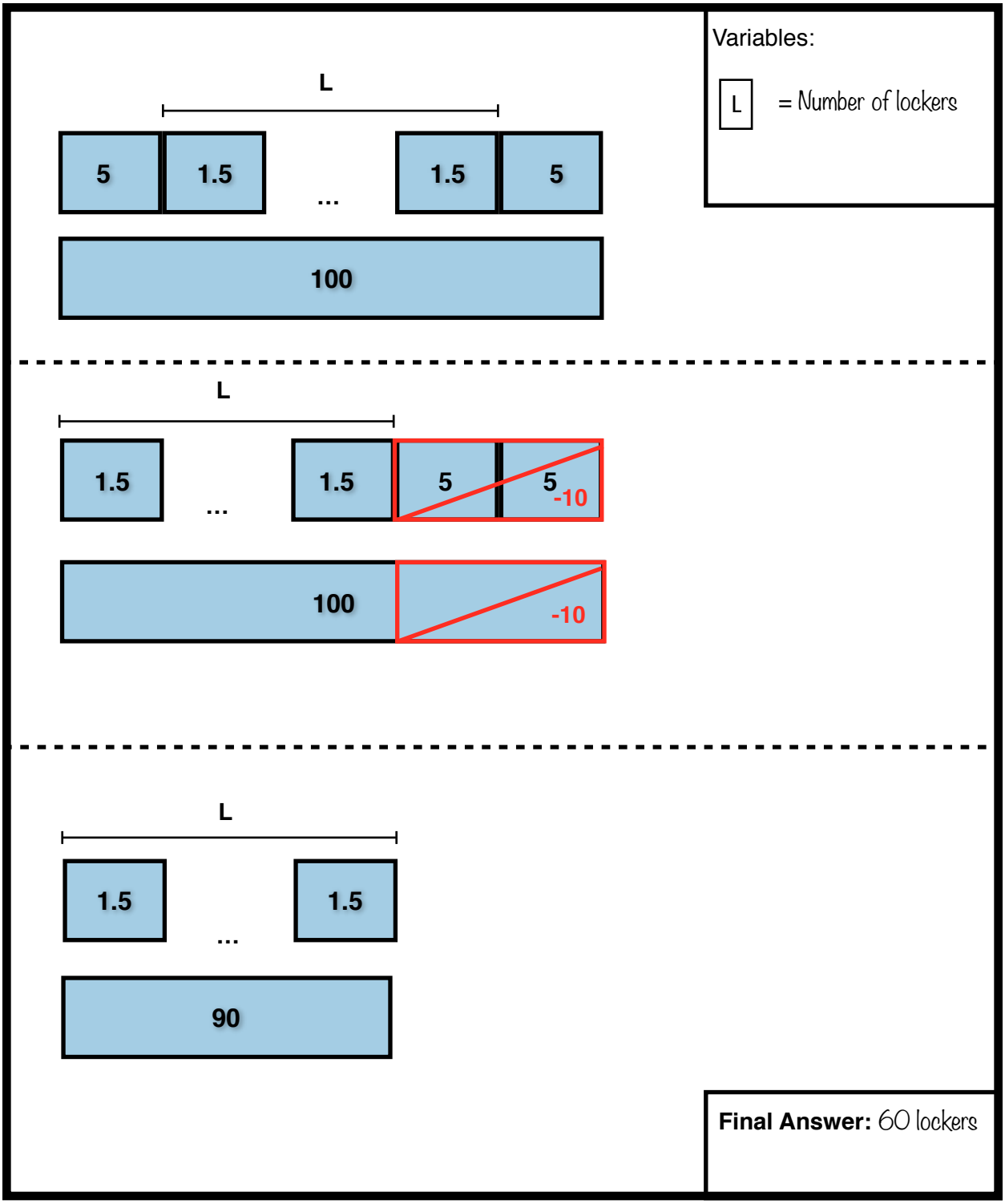
Problem: The sum of two numbers is 12. One number is 4 more than the other. What is the value of the larger number?



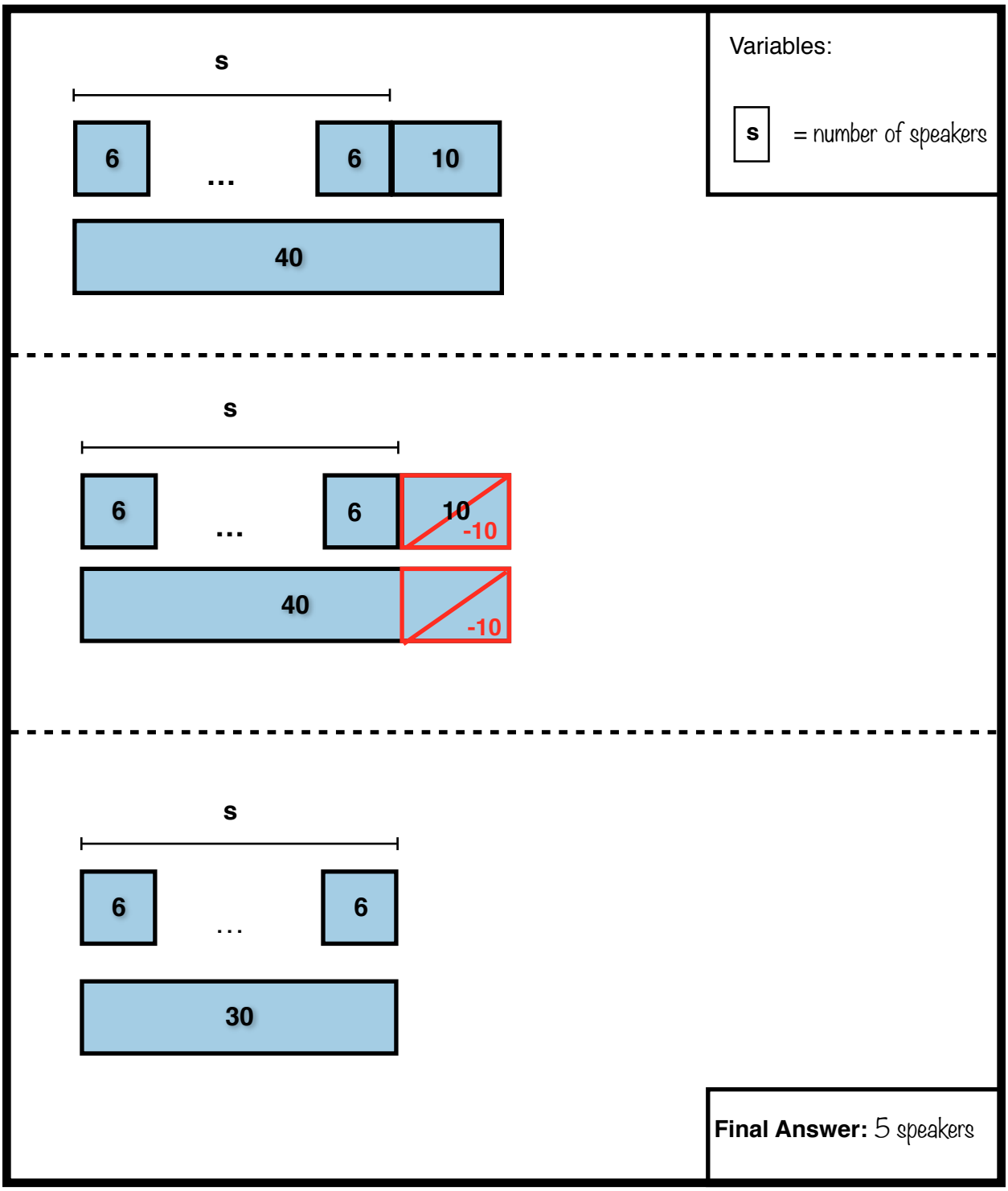
Problem: 23 = 5x - 7



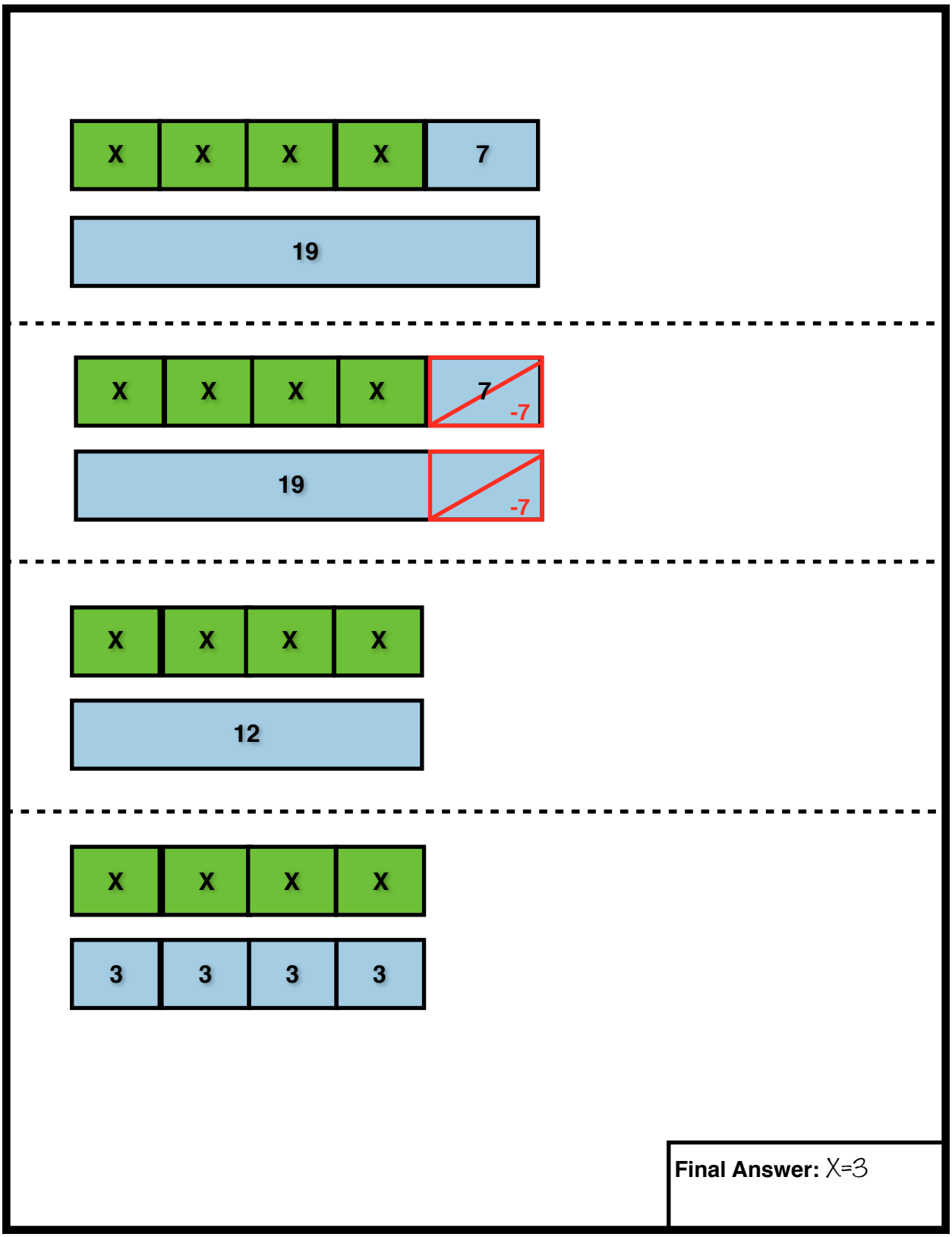
Problem: The school is putting in a new row of lockers! You have 100 feet of space, and each locker is 1 ½ feet wide. There needs to be 5 feet of extra space at each end of the row. How many lockers can you put in?



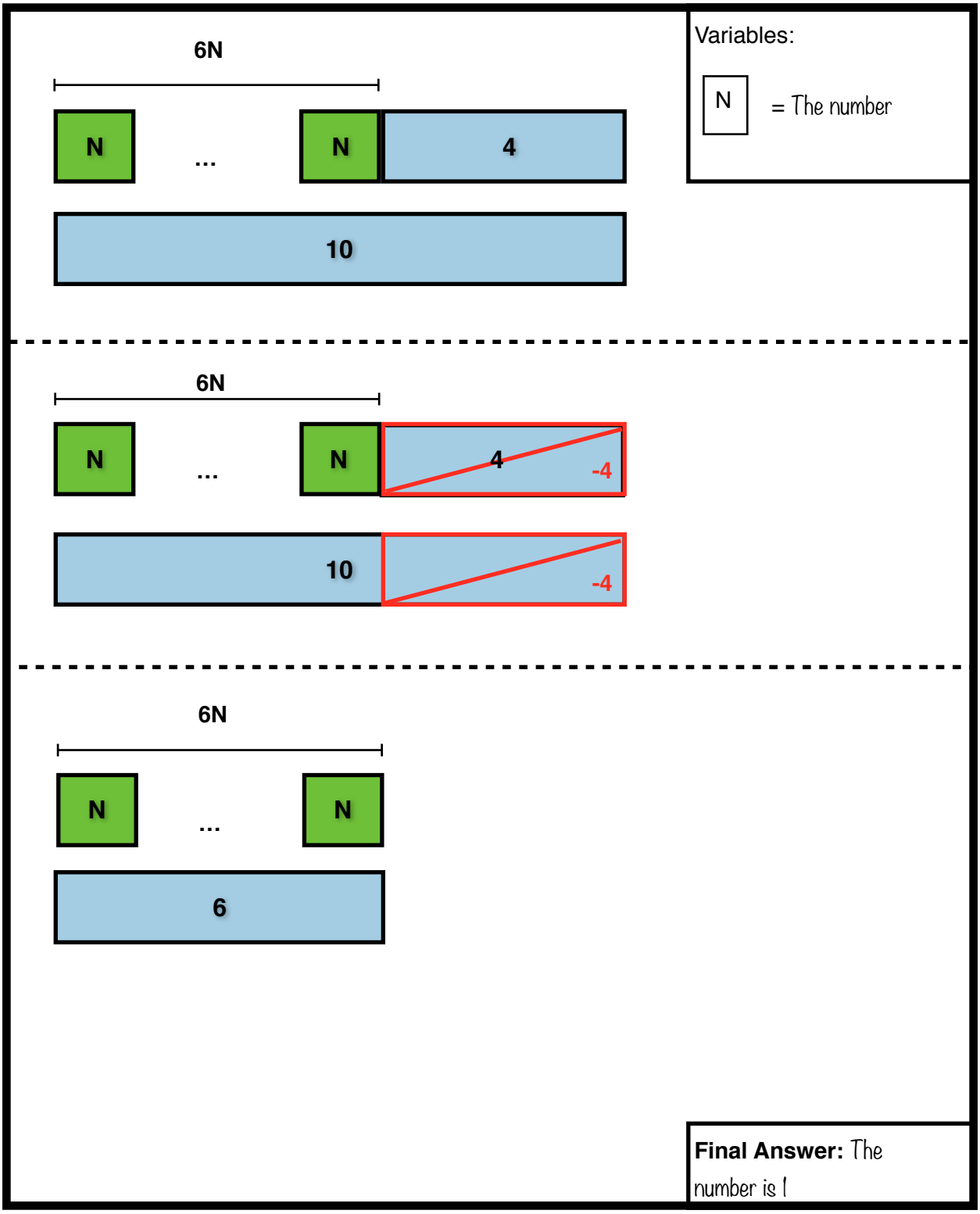
Problem: You are at school assembly and getting bored. You know the next class is supposed to start in 40 minutes, and the teachers usually allow 10 minutes after assembly for you to get back to class. You estimate each speaker is about 6 minutes. If there are only speakers remaining in assembly, how many more speakers are there?



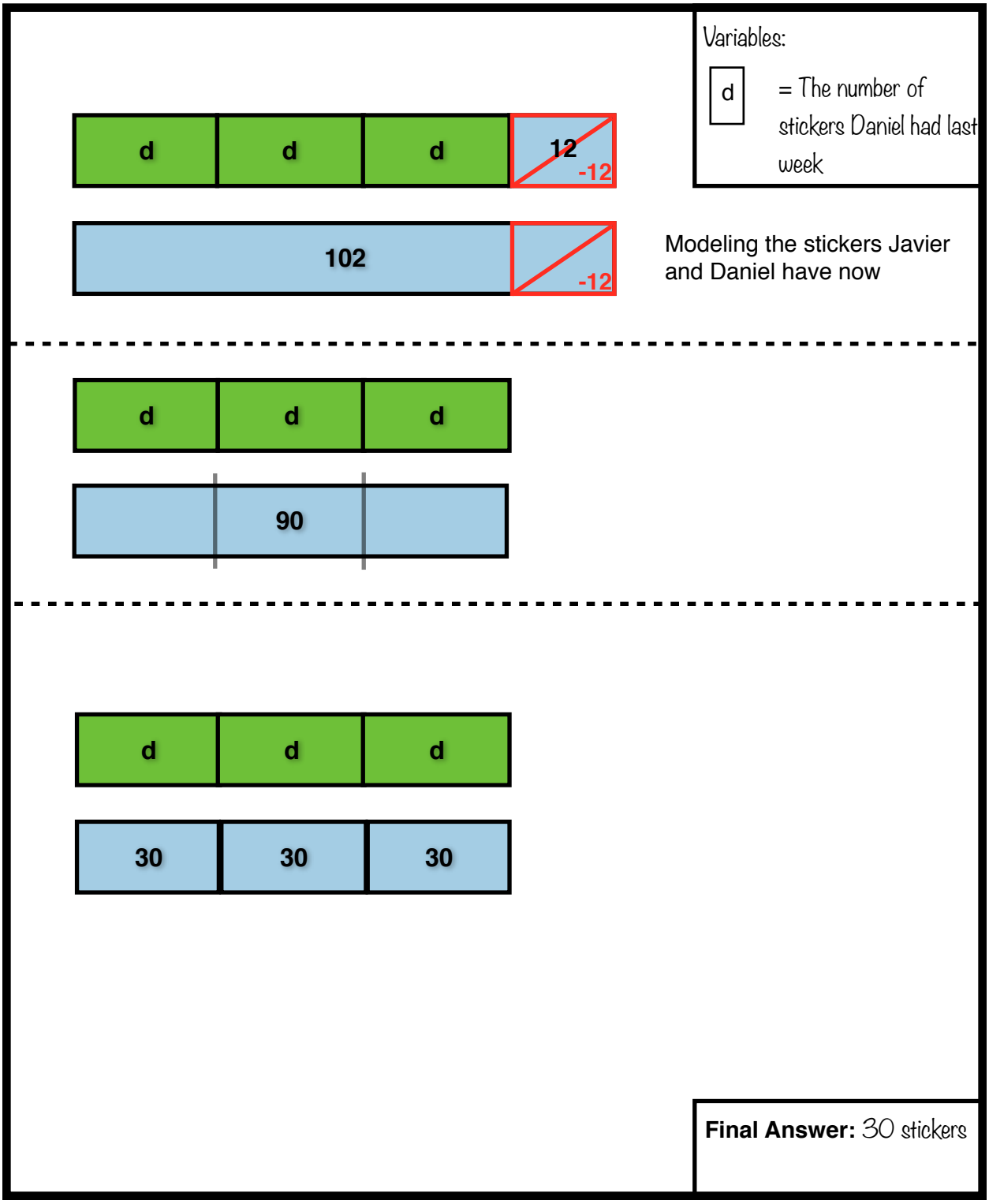
Problem: 4x + 7 = 19



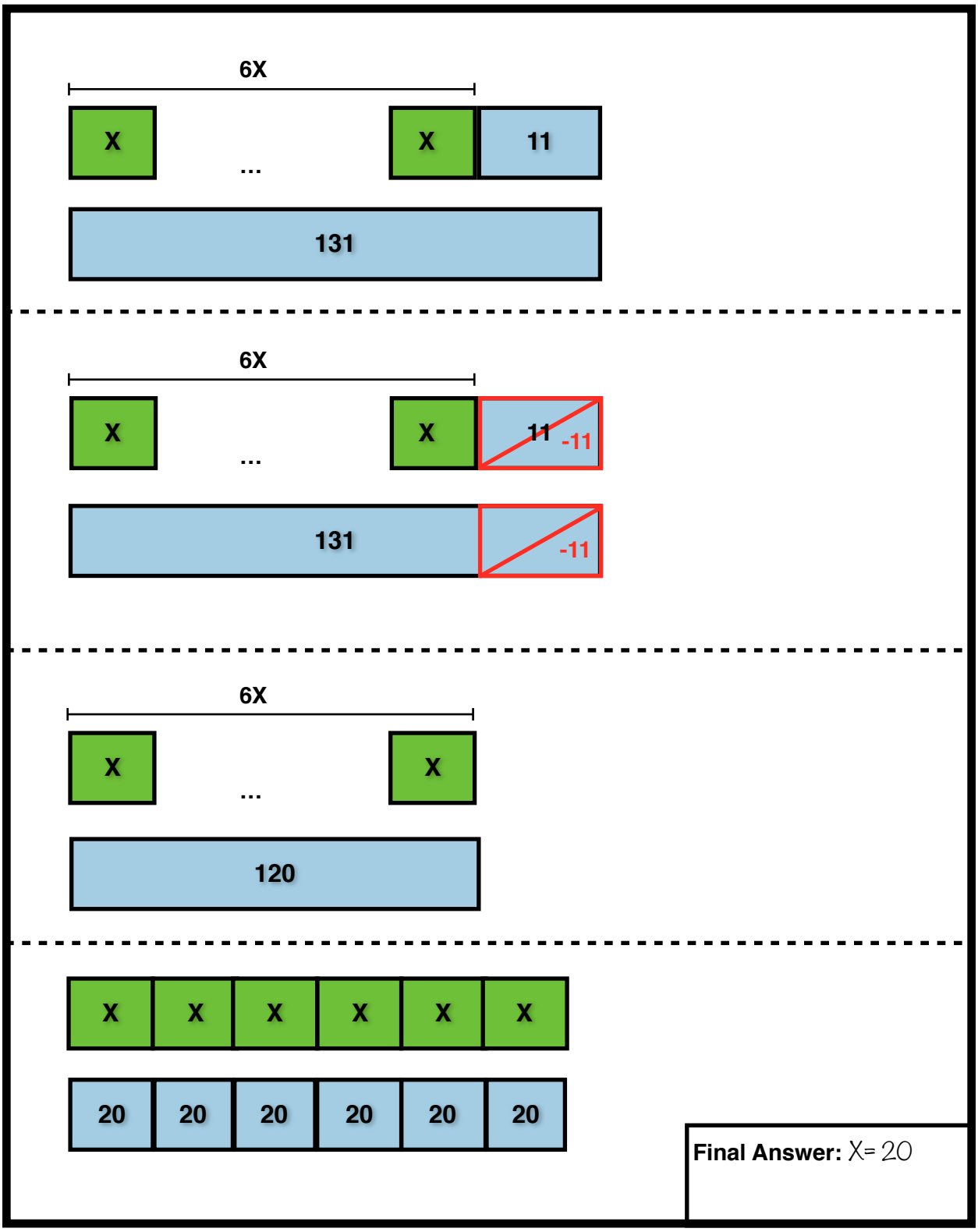
Problem: I am some number. Multiply me by 6, and add 4 and you get 10. What number am I?



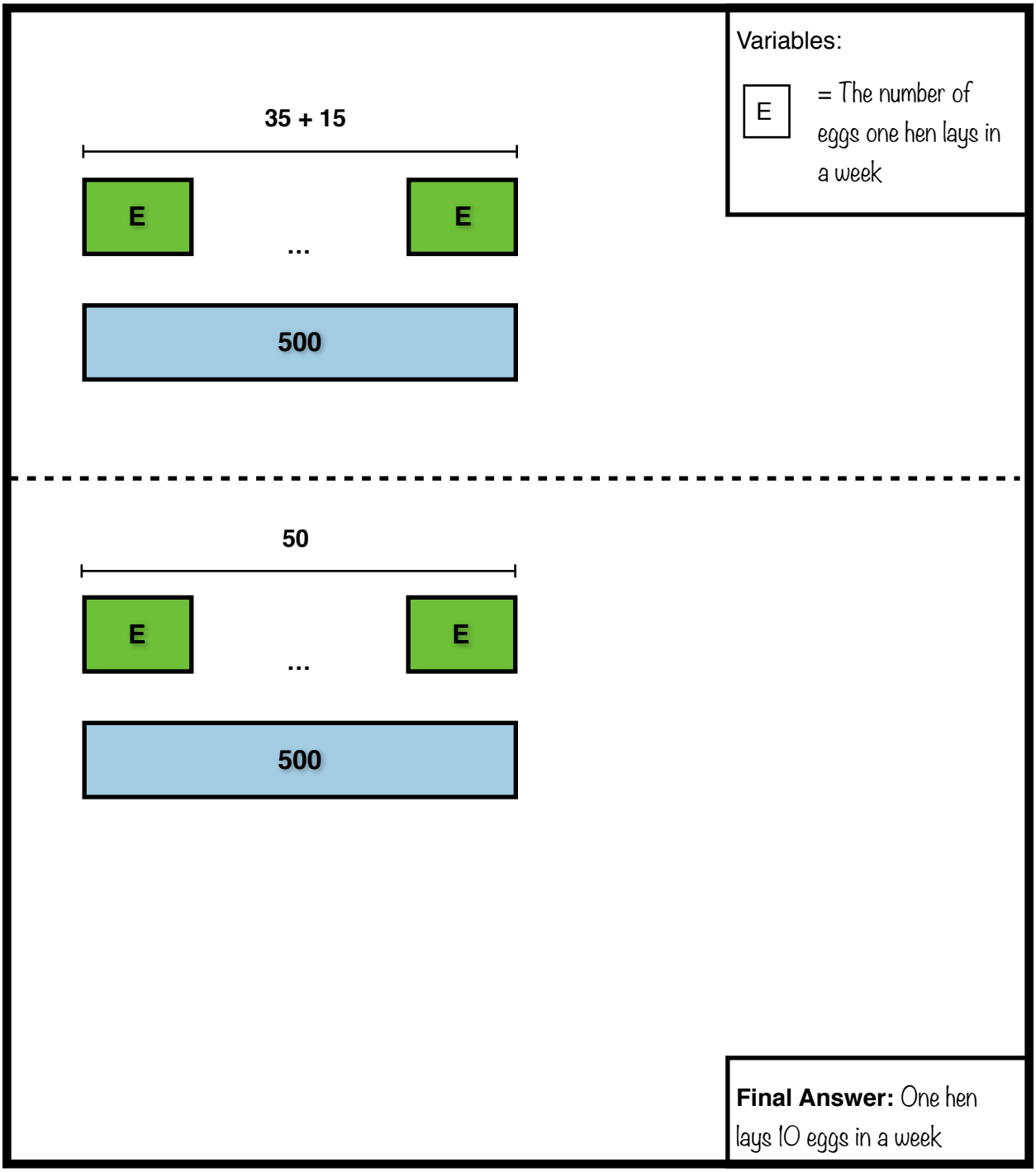
Problem: Last week Javier had twice as many stickers as Daniel. Then Daniel received 12 stickers for his birthday. Together they now have 90 stickers. How many stickers did Daniel have last week?



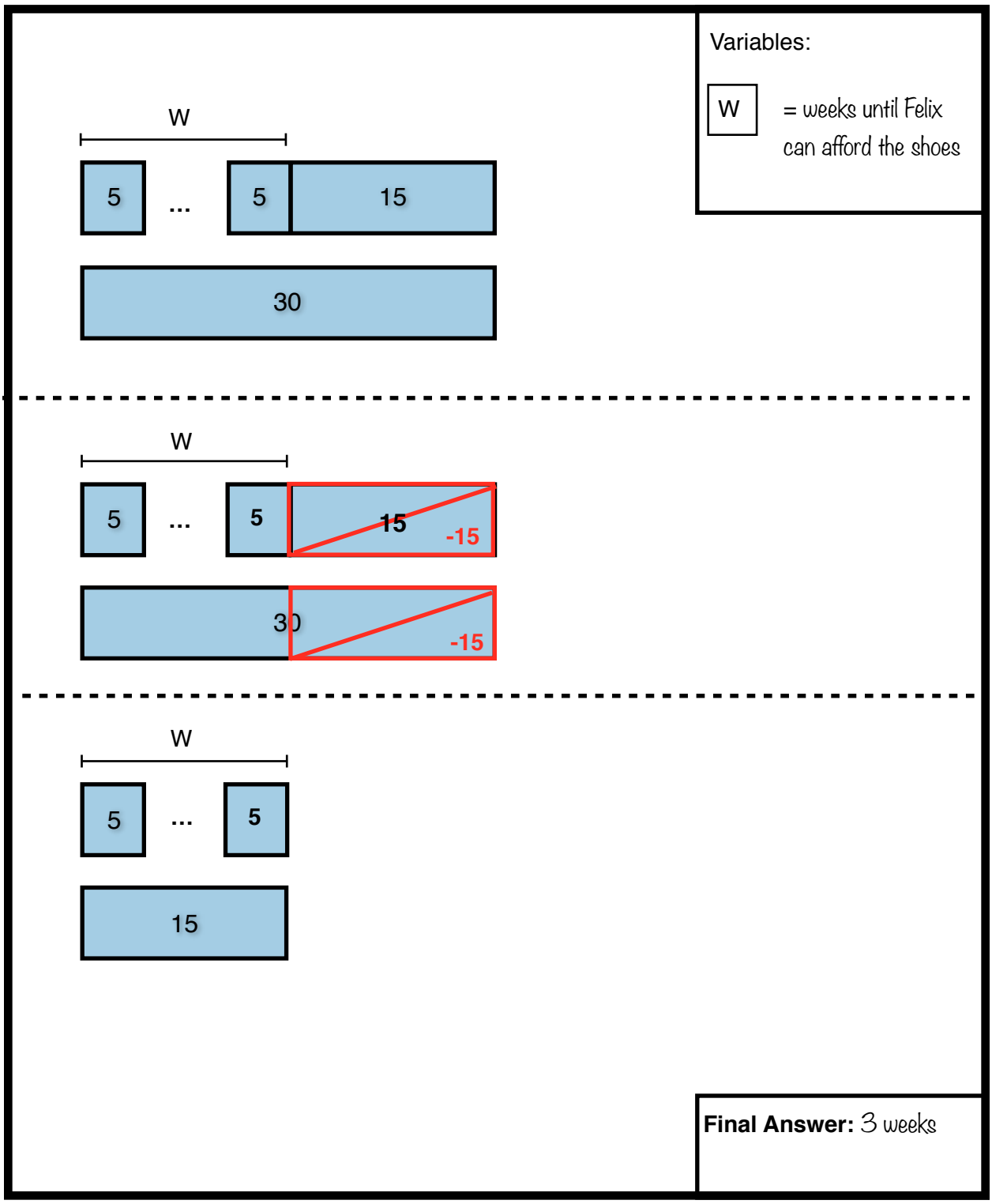
Problem: 131 = 6x + 11



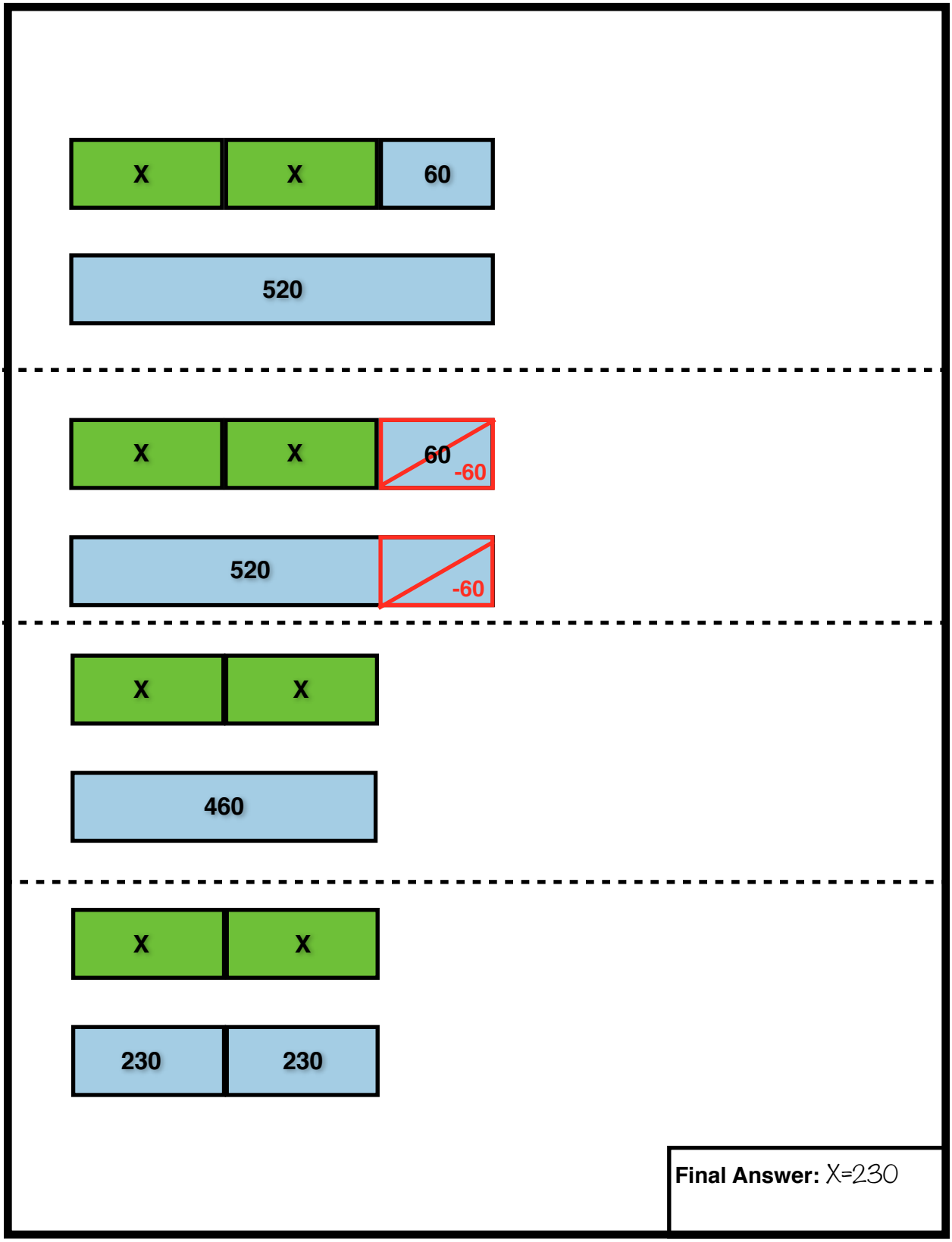
Problem: Sunny Hill Farms and Babbling Brooks Farms both raise hens. Sunny Hill Farms has 35 hens. Babbling Brooks Farms has 15 hens. If together the farms have 500 eggs at the end of the week, and each hen laid the same number of eggs, how many eggs did each hen lay last week?



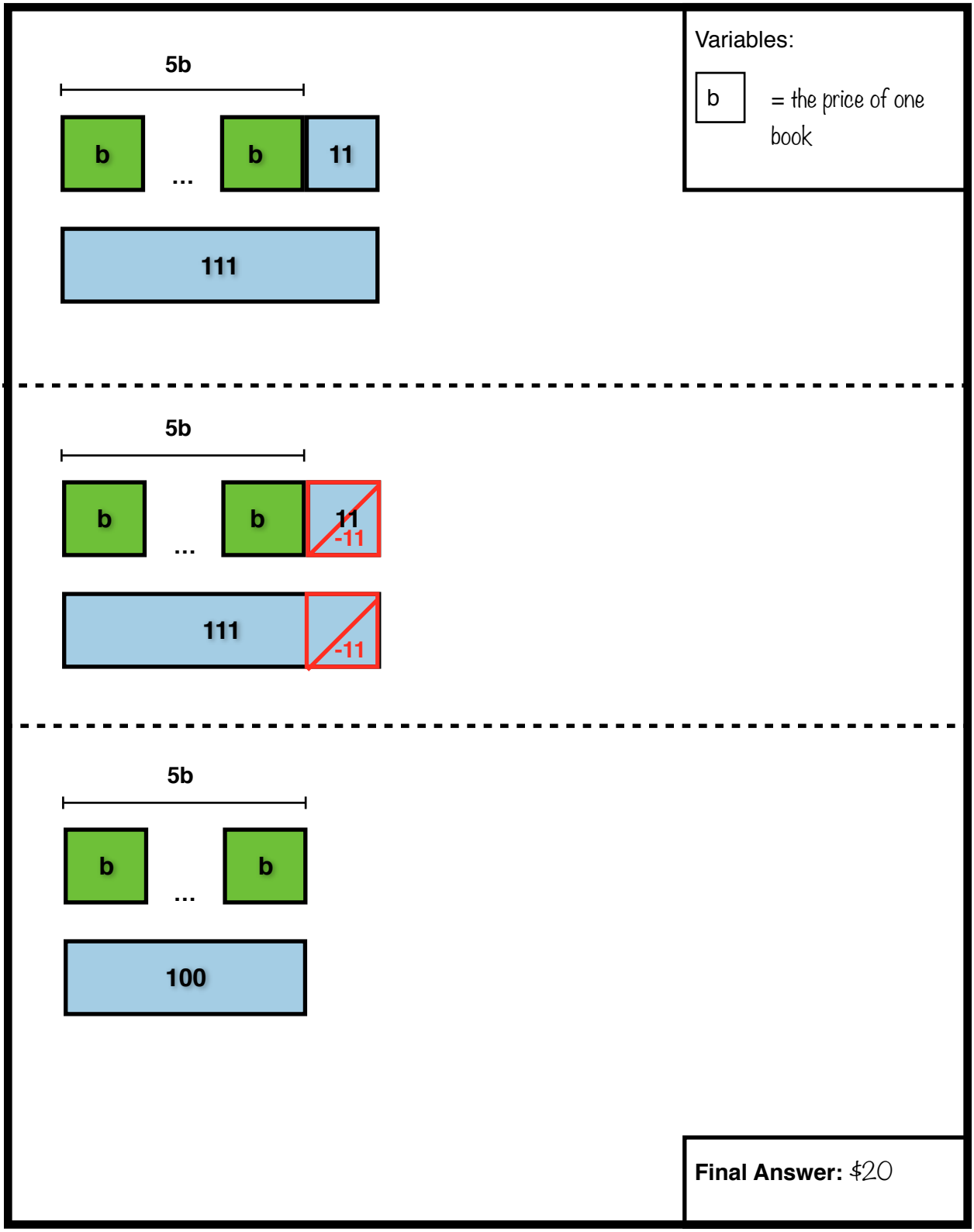
Problem: Felix wants to buy a new pair of shoes that cost $30. He has $15 now, and knows he can earn $5 a week helping his grandma with yard work. How many weeks will it take Felix to be able to afford the shoes?



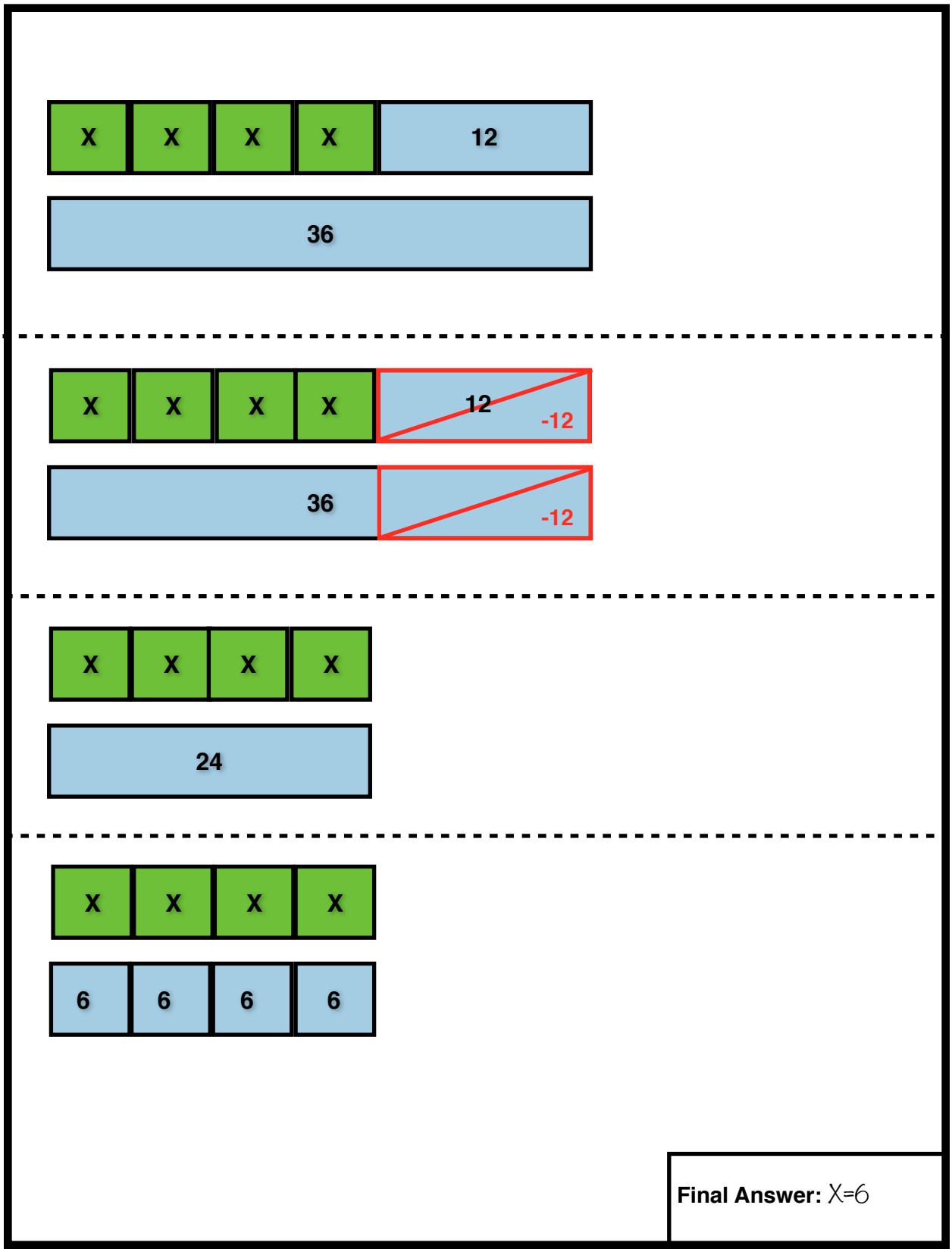
Problem: 520 = x + (x + 60)



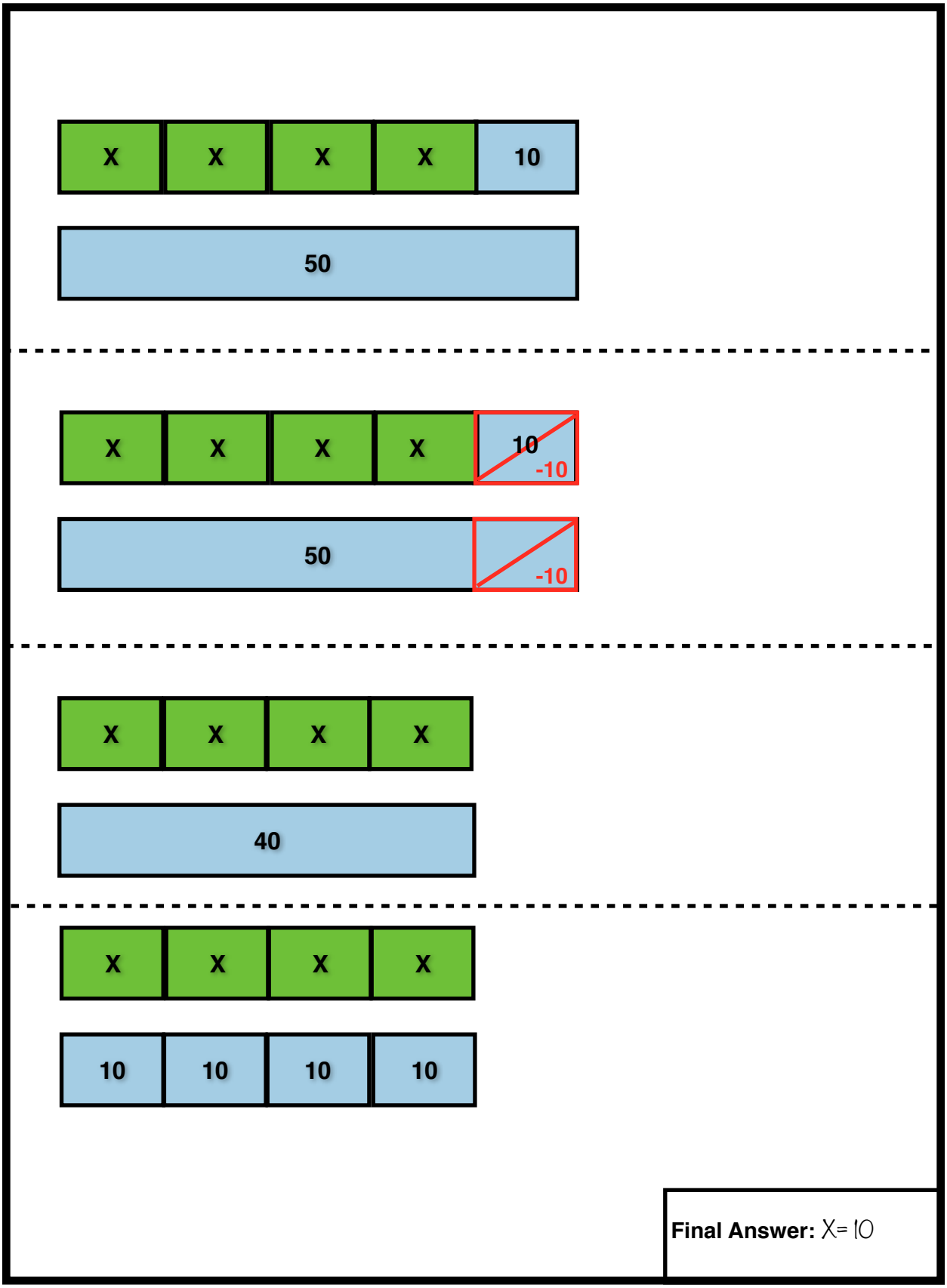
Problem: Jason had 111 dollars to spend. After buying 5 books he had 11 dollars left. Each book costs the same amount. How much did each book cost?



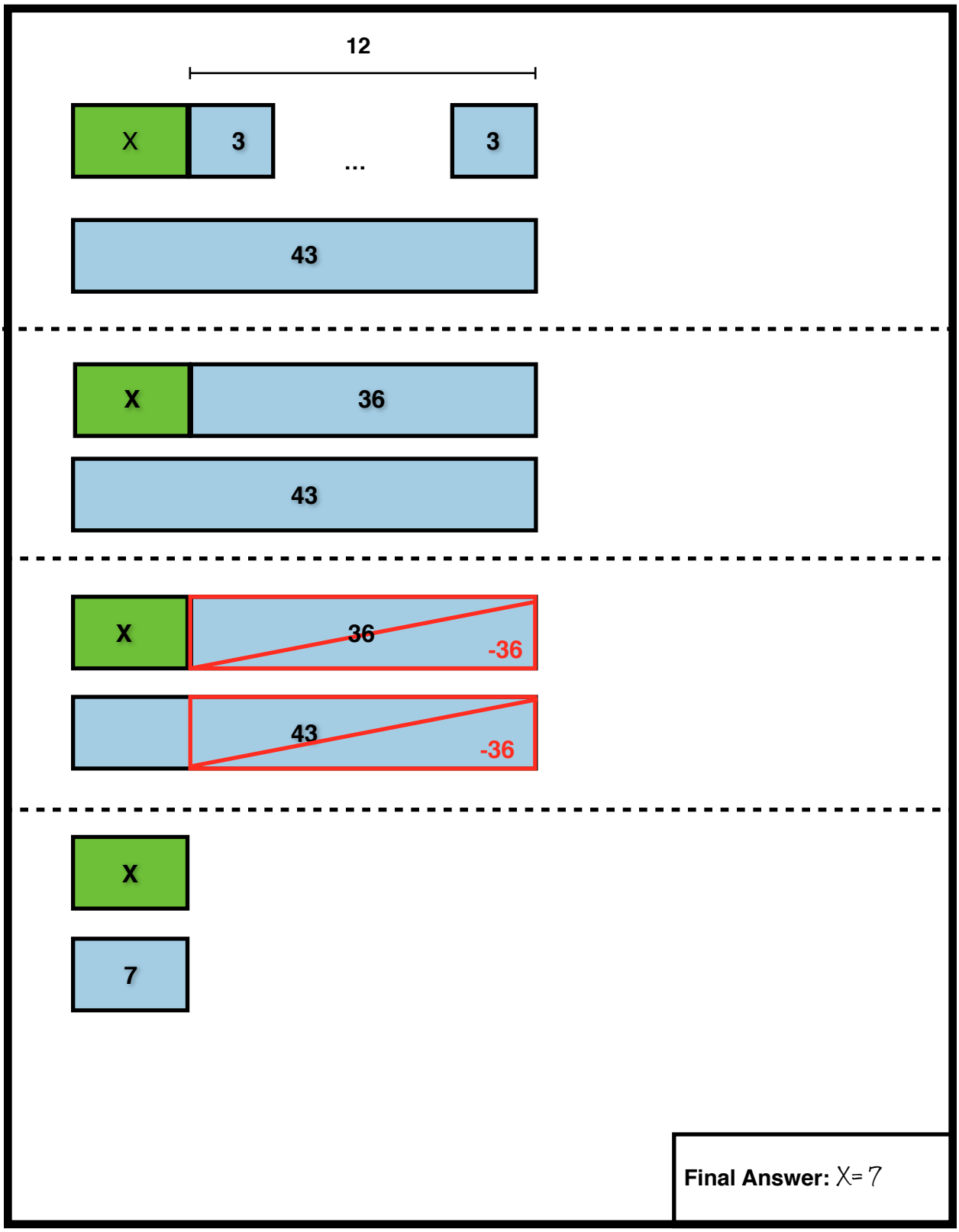
Problem: 36 = 12 + 4x



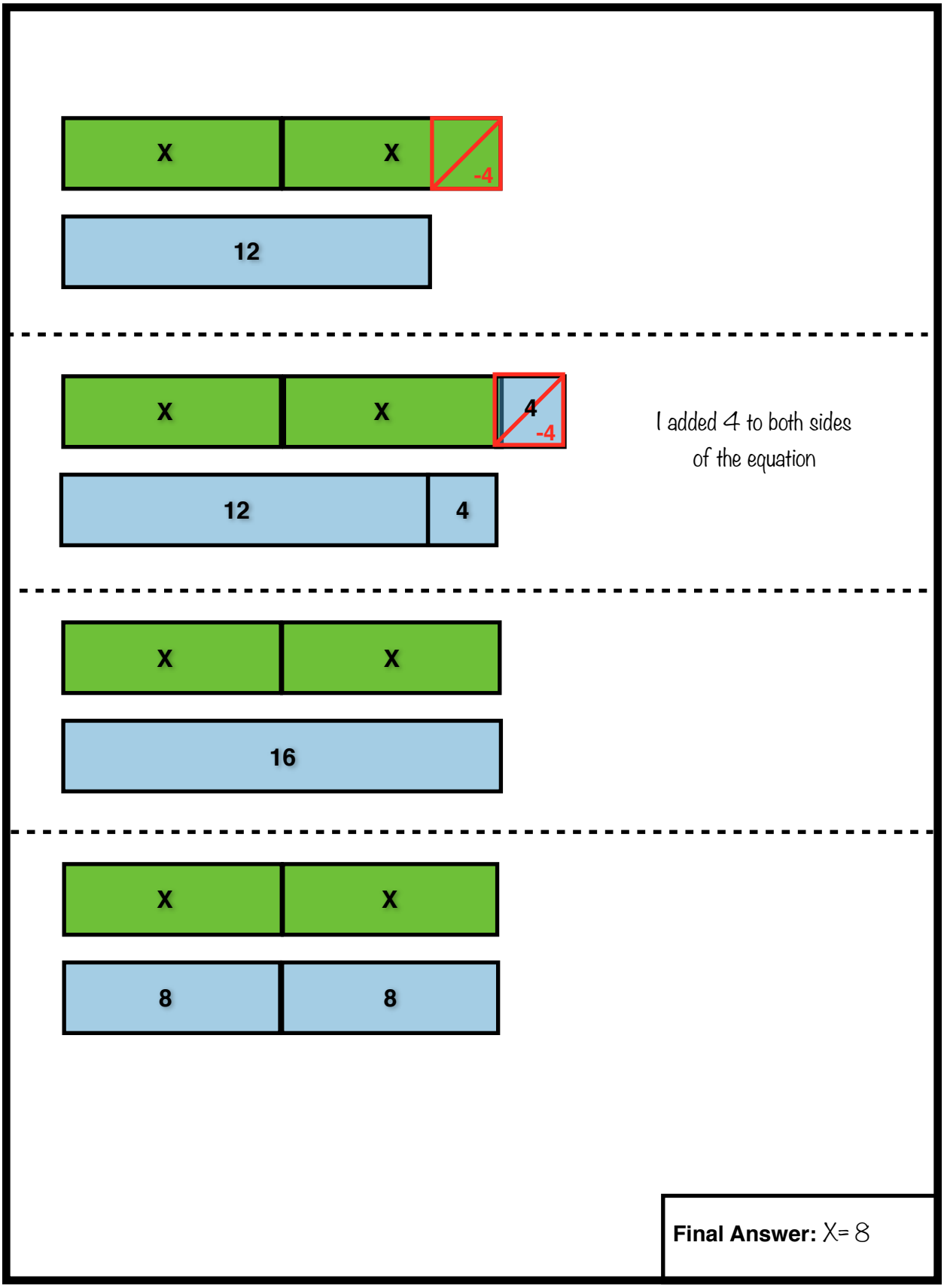
Problem: 50 = 10 + 4x



Problem: 12x3 + x = 43



Problem: 12 = x + (x-4)



Problem: 6x + 4 = 10