Question:

If Raymond does half as much laundry as Sarah, and Sarah does 4 times as much laundry as David, calculate the difference in the amount of laundry Raymond and David do if Sarah does 400 pounds of laundry.

Reasoning + Answer:

<think> Raymond does half as much laundry as Sarah, and Sarah does 400 pounds of laundry, so Raymond does 1 / 2 * 400 = 200 pounds. Sarah does 4 times as much laundry as David, so 4 times as much as David means Raymond does 400 / 4 100 pounds (although this variable should be renamed, but the name will not change the result, to distinguish it from David). The difference in the amount of laundry Raymond does compared to David is 200 - 100 = 100 pounds, </think>