

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> If Sarah does 400 pounds of laundry and she does 4 times as much laundry as David, David does $400 / 4 = 100$ pounds of laundry. If David does 100 pounds of laundry and Raymond does half as much laundry as Sarah he does $400 / 2 = 200$ pounds of laundry. The difference between Raymond and David is $200 - 100 = 100$ pounds. </think> <answer>100</answer>

