

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:

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<think>IfSarahdoes 400poundsoflaundryandshedoes 4timesasmuchlaundryasDavid ,  
Daviddoes  $400 / 4 = 100$ poundsoflaundry IfDaviddoes 100poundsoflaundryandRaymond  
doeshalfasmuchlaundryasSarahhedoes  $400 / 2 = 200$ poundsoflaundry Thedifference  
betweenRaymondandDavidis  $200 - 100 = 100$ pounds </think><answer>100 </answer>
```

