

Q: A van is delivering 180 bottles of drinks to a neighborhood, and each bottle contains either cider or beer or a mixture of two. Out of the 180 bottles, 40 contain only cider, 80 contain only beer, and the rest are a mixture of the two drinks. If the delivery man gives half the number of each bottle of drink to the first house, how many bottles does the first house get?

Human (Ground truth from GSM8K dataset):

The total number of bottles containing cider or beer is $40+80 = \langle\langle 40+80=120 \rangle\rangle 120$. If the number of bottles in the van was 180, then $180-120 = \langle\langle 180-120=60 \rangle\rangle 60$ contains a mixture of the two drinks. At the first house, the delivery man dropped $1/2*40 = \langle\langle 1/2*40=20 \rangle\rangle 20$ bottles. There were also $1/2*80 = \langle\langle 1/2*80=40 \rangle\rangle 40$ bottles of beer that the delivery man gave to the first house. Together, the first house received $40+20 = \langle\langle 40+20=60 \rangle\rangle 60$ bottles of cider and beer. The total number of bottles that had a mixture of the two drinks that were dropped at the first house is $1/2*60 = \langle\langle 1/2*60=30 \rangle\rangle 30$. The first house got $60+30 = \langle\langle 60+30=90 \rangle\rangle 90$ bottles of all types of drinks.
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STaR (on GPT-J):

The delivery man gives half the number of each bottle of drink to the first house. So he gives $180/2 = \langle\langle 180/2=90 \rangle\rangle 90$ bottles of drink to the first house.
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