

Question:

Gunter is trying to count the jelly beans in a jar. He asks his friends how many they think are in the jar. One says 80. Another says 20 more than half the first one. A third says 25% more than the first one. What is their average guess?

Reasoning + Answer:

<think> First find the second friend's guess : $80 \text{ beans} / 2 \text{ beans} = 40 \text{ beans}$ $40 \text{ beans} + 20 \text{ beans} = 60 \text{ beans}$ Then find the third friend's guess : $80 \text{ beans} * 25\% = 20 \text{ beans}$ $20 \text{ beans} + 80 \text{ beans} = 100 \text{ beans}$ Then add up all the guesses : $60 \text{ beans} + 100 \text{ beans} + 80 \text{ beans} = 240 \text{ beans}$ Then divide the total guesses by the number of guesses : $240 \text{ beans} / 3 \text{ guesses} = 80 \text{ beans}$ </think> <answer> 80 </answer>