

Question:

A treasure hunter found a buried treasure chest filled with gems. There were 175 diamonds 35 fewer rubies than diamonds and twice the number of emeralds than the rubies. How many of the gems were there in the chest?

Reasoning + Answer:

<think> First find the number of rubies : $175 \text{ diamonds} - 35 \text{ rubies} = 140 \text{ rubies}$ Then multiply the number of rubies by 2 to find the number of emeralds : $140 \text{ rubies} * 2 = 280 \text{ emeralds}$ Then add the number of each type of gem stone to find the total number of gems : $175 \text{ diamonds} + 140 \text{ rubies} + 280 \text{ emeralds} = 595 \text{ gems}$ </think> <answer>595</answer>