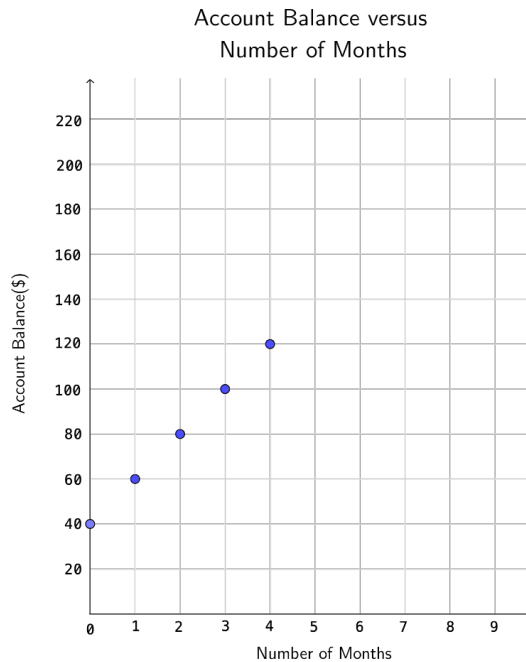# Problem of the Week
Problem B
Banking on Amir

Amir's aunt wants to help him develop an education fund so that he can go to drumming school. He started a bank account with $40, and each month thereafter a $20 deposit is to be made.

The graph below shows how the bank account grows over time (with no interest).

Account Balance versus
Number of Months

(a) Create a table of values, listing the five ordered pairs of coordinates from the graph, as indicated by the dots.

(b) What is the pattern rule for the monthly account balance? Use your rule to add as many points to the graph as possible.

(c) How much will Amir have in his account after 6 months? Show on the graph how you got your answer.

(d) After how many months will Amir have $220 in his account? Show on the graph how you got your answer.

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