

Possible Solutions

Betsy earns money on the weekend babysitting in the neighborhood. The table below shows how much money she earns.

Hours Worked	Money Earned
5	\$40
8	\$64
10	\$80

Based on this information, which of these is the independent quantity? Why? Justify your thinking.

- Given the table in the problem, students need to be able to identify the independent variable or quantity and the dependent variable.
- In this situation, the amount of money Betsy makes is dependent on the hours she works, since she is paid by the hour. Therefore, the dependent variable is the money made.
- The independent variable or quantity is the hours Betsy worked, because that quantity is not influenced and does not rely on another quantity.