

For full credit you must show your work. Partial credit may be given for incorrect solutions if sufficient work is shown.

Mom has 50 identical pieces of candy which she is planning to divide among her five children (Alan, Betty, Connie, Doug, and Ellie). She decides to divide the candy in proportion to the amount of time spent helping her with chores last week. The table below shows the number of minutes each child spent helping with the chores last week.

Child	Alan	Betty	Connie	Doug	Ellie	Total
Minutes worked	150	78	173	204	295	900

1. Calculate the standard divisor. (1pt)
2. Describe what the standard divisor means in the context of this problem. (2pt)
3. Write the definition of standard quota. (1pt)
4. Find the apportionment of candy using Hamilton's Method. (6pt)
Show your work for this problem by adding to the table above.