

News Release
Donna Wice, 4-H Coordinator
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4-H Is Fun

Winter has finally arrived in Mariposa but that hasn't stopped the 4-H program. On Sunday, February 11th, Mariposa 4-H Council held their annual "Sweetheart" Pancake Breakfast at the Best Western Conference room even though heavy snowfall was falling around the county. Faithful patrons and supporters still came to have a wonderful breakfast. 4-H thanks you!

With rain and snow in the forecast, the 4-H county-wide Judging Day also took place at McCay Hall in Catheys Valley on Saturday, February 24th. ~~58~~
65 4-H members, leaders, and parents participated.

The All-Star team is planning the first spring event, 4-H County Presentation Day, which will be held at the Middle School on Saturday, March 24th. In front of volunteer judges, the 4-H members will do demonstrations, public speaking, posters/displays either on one of their 4-H projects, a hobby, or a special topic. The members earning a gold medal at this county competition will be able to attend Regional Presentation Day on April 21st in Stanislaus County. The gold medalists at Regionals will then have the opportunity to do their presentation at the California State Fair in August.

The new event this year, 4-H Expo, will take place at McCay Hall in Catheys Valley on April 21st. This event will include Favorite Foods, table decorating contest, "Best Decorated Apron" contest, science/technology competition such as bridge building, pine wood cars, and more.

The 4th, 5th, 6th grade 4-H members will have an opportunity to attend the first county conference for this age group in May. This conference will be held at the Lions Camp Pacifica in Ahwahnee. This activity will be co-sponsored by Yosemite Bank, and Mariposa 4-H Council.

1. The first step is to identify the variables in the problem. In this case, the variables are the number of hours worked (H) and the number of hours of leisure (L). The total number of hours in a week is 24, so we have the constraint $H + L = 24$.

2. Next, we need to write the objective function. The goal is to maximize the total utility, which is the sum of the utility from consumption (C) and the utility from leisure (L). The utility function is given by $U = C + L$.

3. We also need to write the budget constraint. The budget constraint is the total amount of money available for consumption. The budget constraint is given by $C = W \cdot H$, where W is the wage rate. The budget constraint can be written as $C = 10H$.

4. The next step is to solve the problem. We can use the method of Lagrange multipliers to solve the problem. The Lagrangian function is given by $\mathcal{L} = C + L - \lambda(C - 10H)$. The first-order conditions are given by $\frac{\partial \mathcal{L}}{\partial C} = 1 - \lambda = 0$, $\frac{\partial \mathcal{L}}{\partial L} = 1 = 0$, and $\frac{\partial \mathcal{L}}{\partial H} = 10 - \lambda = 0$.

5. The next step is to solve the first-order conditions. From the first condition, we have $\lambda = 1$. From the second condition, we have $1 = 0$, which is a contradiction. This means that the budget constraint is binding. From the third condition, we have $10 - \lambda = 0$, which implies $\lambda = 10$. The optimal consumption bundle is given by $C = 10H$ and $L = 24 - H$. The optimal consumption bundle is given by $C = 10$ and $L = 14$.

6. The next step is to check the second-order conditions. The second-order conditions are given by $\frac{\partial^2 \mathcal{L}}{\partial C^2} = -1 < 0$, $\frac{\partial^2 \mathcal{L}}{\partial L^2} = 0$, and $\frac{\partial^2 \mathcal{L}}{\partial H^2} = -10 < 0$. The second-order conditions are satisfied, so the optimal consumption bundle is given by $C = 10$ and $L = 14$.

7. The next step is to write the final answer. The optimal consumption bundle is given by $C = 10$ and $L = 14$. The optimal consumption bundle is given by $C = 10$ and $L = 14$.

4-H Fashion Revue/Style Show will also take place in May. Our sewing project members are already choosing their patterns and fabrics for that special outfit to model in a "tea party" setting.

The annual Spring Show will be held June 2nd at our local fairgrounds. The committee has met several times making plans for a fun, but educational day.

Summer plans are taking place for a 4-H Family camp that will be held in July at Sunny Meadows. Fishing, games, camp songs and skits, and of course, making smores are planned activities.

The Mariposa 4-H members, and leaders invite the public to come and watch these very creative, enthusiastic children in the various upcoming events. See what the 4-H Youth Development Program is all about!

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