A COLLEGE GIRL'S DIETARY EXPERIMENT.

by

Ellen Hanson.

A COLLEGE GIRL'S DIETARY STUDY.

A dietary experiment extending through the month of April, 1907, was carried out by twelve senior Domestic Science girls. 833

The diet consisted of three regular meals per day, prepared by the girls according to a certain order. The supplies were all carefully weighed and an account kept of them. The girls were allowed to eat nothing outside of these supplies so that we might ascertain the exact amount of food consumed. This was made still more accurate by the weighing of all waste so that the exact amount of each food eaten was known.

The diet consisted of meals well balanced and of food at a moderate cost. There were no other restrictions as to the diet, except that the food be well cooked and served on time.

The object of the experiment was to ascertain the effect on the girls of a well cooked nourishing diet taken regularly, together with a moderate amount of exercise and plenty of sleep.

The amount, cost, and caloric value of food used where no restrictions were enforced was another object of the experiment.

The following are the menu's for the first three weeks. The fourth week being very similar.

April 3.

Breakfast.

oranges

.1.

Cream of Wheat Ham Sugar & Cream Muffins

Jelly Butter Chocolate Luncheon. Apple & Date Salad Macaroni & Cheese Bread Butter Pineappie Snow Wafers Dinner. Fruit Soup Wafers Roast Beef Brown Gravy Buttered Potatoes Bread Butter Lemon Ice Marguerites April 4. Breakfast. Stewed Figs Shreded Wheat Biscuit Toast Butter Egg in nest on Toast Cocoa Luncheon. Meat Croquettes Creamed Asparagus Parker House Rolls Butter Fruit Sherbert Lady Fingers Water Dinner. Buttered Beans Apple Salad Punch Meat Pie

834

Biscuits

Fruit Sherbet

Butter

April 5. Breakfast.

Rice & Raisins Sugar & Cream

Egg poached in Cream on toast

Butter

Graham Wafers

Cocoa.

Luncheon.

Creamed Tomato Soup Wafers

Cheese Souffle

Bread

Butter

Milk

Dinner.

Banana & Nut Salad

Veal Birds Mashed Potatoes Butter Bread Chocolate Pudding Sauce

Breakfast.

April 6.

Cracked Wheat Sugar & Cream Potatoe Cakes Creamed Cod Fish Biscuits Butter

> Apple & Quinces Cocoa

Luncheon

Emergency	Soup	Wafers
Scalloped	Oysters	Olives
Bread & Bu	itter Sandwiches	

Tapico Custard

. 3.

Dinner.

Salmon Soup

Baked Beans

Pickles

Stewed Figs

April 7.

Shredded Wheat Biscuit Milk

Breakfast.

Wafers

Whipped Cream

Brown Bread

Eggs

Bread & Butter Sandwiches

Oranges

Dinner.

Cream of Asparagus Soup Wafers Roast Chicken Mashed Potatoes

Radishes

Bread

Butter

Orange Bavarian

Cake

Luncheon.

Cheese & Ham Sandwiches

Pickles

Oranges

Bananas

Caramel Cake

.4.

April 8. Breakfast.

Bananas Cream and Sugar Creamed Dried Beef

Biscuits Honey

Dinner.

Chicken Souffle Macaroni & Tomatoes

Bread

Butter

Apple Pie

Luncheon.

Peanut & Chicken Sandwiches

Fudge

Oranges

April 9.

Breakfast.

Rhubarb Scause

Rolled Oats Cream & Sugar

Omelet

Cornmeal Muffins Butter

Honey

Luncheon.

Gravy Liver & Bacon

Riced Mashed Potatoes

Parker House Rolls Butter

Apple & Quince .Sauce

.

Cake

Dinner.

.5.

Maite De Hotel Butter Pan Broiled Steak

Creamed Potatoes Escalloped Tomatoes

Bread

Caramel Custard

April 10. Breakfast.

Cream of Wheat with Dates Cream & Sugar Milk Toast

Boiled Eggs

Cheese Pudding

Lemonade

Butter

Buttered Toast

· · Luncheon.

Creamed Peas

Fruit

Dinner.

Hamburg	Steak	French Fried	Potatoes
Creamed	Lima Beans	Gravy	
Caramel	Ice Cream	Cake	

April 11. Breakfast.

Scalloped Potatoes Milk Toast Bread

Butter

Rhubarb Sauce

Coffee

Luncheon.

Meat Souffle

Cream of Pea Soup Crackers creamed Potatoes

Biscuits

Butter

Frozen Chocolate Custard

Dinner.

Banana Apple Peanut Salad Roast Veal Potatoes on Half Shell

April 12. Breakfast.

Cereal Pudding

Oranges

Fried Mush

Bread

Bread

Caramel Syrup Butter

Gravy

Butter

839

Milk

Dinner.

Asparagus Salad Hollandaise Sauce

Pan Broiled Tenderlion

Potatoes - Maitre - de - Hotel Butter

Parker House Rolls Butter

Picnic Luncheon.

Chicken Sandwiches

Olives & Pickles

Date Wafers

Oranges

Milk

April 13. Breakfast.

Sliced Oranges & Bananas Scrambled Eggs on Toast Cocoa

Buttered Toast

.7.

Luncheon.

Fruit Salad

Muffins

Jelly

Coeoanut Bread Pudding Hard Sauce

Dinner.

Baked Beans

Olives

April 14.

Brown Bread

Ketchup

. .

Wafers

Butter

Indian Meal Pudding

Breakfast.

Dr. Price's Breakfast Food Milk Sugar Bread Butter Eggs Oranges

Dinner.

Punch

Roast Chicken Dressing

Mashed Potatoes Gravy

Pear Pickles

Bread. Butter

Lettuce Salad

Mince Pie Cheese

Luncheon.

Chicken & Peanut Sandwiches

chocolate Cake

Date Wafers

Lemonade

.8.

April 15. Breakfast.

Dr. Pierce's Breakfast Food Sugard & Cream Poached Eggs on Toast Buttered Toast Coffee

Luncheon.

Clear Soup	Crackers	
Chicken Croquettes	Tomatoe Sauce	
Bread	Butter	

Carmel Parfait with Carmel Sauce

Dinner.

Brazed Beef	Gravy
Fried Bananas & Peanuts	
Bread	Butter
Pear Pickles	Radishes

Lemon Pudding

April 16. Breakfast.

Bananas & Oranges Cream & Sugar

Creamed Beef on Toast

Buttered Toast

Whipped Cream Cocoa

Luncheon

Chicken a la Mond'e

Rice Croquettes

Sliced Tongue

Apple Pickles

.9.

Biscuits

Jelly

Dinner.

Liver Loaf Buns

Creamed Potatoes

Deerer

Jelly

Lettuce & Egg Salad

Steamed Snow Ball Pudding

Foamy Sauce

April 17.

Breakfast.

Apple Sauce

Creamed Meat on Toast

Buttered Toast

Dinner.

Pork Roast

Gravy

Potatoes cooked with Roast

Bread

Butter

Setting Salad

Banana Custard

Luncheon.

Sliced Ham Sandwiches

Ham & Pickle "

Peanut Cookies

Lemonade

April.18.

Breakfast.

Asparagus on Toast

Buttered Toast

Chocolate

Apple Sauce

Transfer in Luncheon.

Orange & Pineapple Salad

Liver Souffle

· Constant Species

Mashed Potatoes

Buttered Beans the a transfer

Dinner.

Cannelon of Beef Tomatoe Sauce Parker House Rolls Antes Taylor Taylor and Punch prove that the s Max 1

Butter

Hermits

Chocolate Pie

April 19.

T. M. La ...

1. 1. 1. 1. 1. L. L.

Breakfast.

Oranges

French Fried Roast Caramel Syrup WE LOUT

1. 1. 1. 1. 1.

Chocolate

Dinner.

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Veal Birds

and belief 1-

Gravy

Creamed Peas

Bread

Butter

and the second

Tomatoe & Cabbage Salad

Rhubarb Sauce

Lunch

Cheese & Pork Sandwiches

Potatoe Chips

Oranges

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and the stand

8.43

April 20. Breakfast.

Cream of Wheat with Raisins Cream & Sugar

Omelet

Pop overs

Butter

Luncheon.

Pea & Potatoe Salad Rolls & Butter

Strawberry Ice Cream Cake

Pickles

Brown Bread

Dinner.

Baked Beans

Ketchup

Butter

Apricot Short Cake

April 21. Breakfast.

Shredded Wheat Biscuit Cream & Sugar

Eggs

Parker House Rolls Butter

Oranges

Dinner.

Pan Broiled Steak

New Potatoes

Brown Sauce

Creamed Asparagus

Sweet Pear Pickles

Bread

Butter

Fruit Salad

.12.

Luncheon.

Peanut, Cheese, Cottage Cheese

Sandwiches

Cream Puffs

Oranges

April 22.

Apple Sauce

Buttered Mackeral

Breakfast.

Rolled Oats

Cream & Sugar

845

Biscuits

Butter

Coffee

Luncheon.

Breaded Veal Cutlets

Scalloped Macaroni & Tomatoes

Plum Perserves

Bread

Brown Pudding

Golden Sauce

Butter

Dinner.

Clear Soup Pork Roast New Potatoes Bread Lemon Ice Wafers Dressing Creamed Lima Beans Butter Kisses

April 23.

Breakfast.

.13.

Oranges in Half Creamed Meat in Crustads Muffins

Butter

846 1 Luncheon. Cream of Tomatoe Soup Wafers Corn Custard Biscuits Butter Lemonade Cakes Dinner. Crackers Tomatoe Soup Meat Souffle String Beans Prune Whip April 24. Breakfast. Bananas & Cream Dr. Price's Breakfast Food Cream & Sugar Baked Eggs Toast Butter Chocolate Luncheon. Salpicon of Fruit Mutton Chops Same Fineste Rice Scalloped with Tomatoes Butter Bread Lettuce Salad Chocolate Bread Pudding Dinner. Potatoes in Pan Crom Rib Roast Brown Sauce Dressing Creamed Onions

.14.

Asparagus Salad Apple Pie with Ice Cream

Recipes Used.

Cream of Wheat

- 2 c. Cream of Wheat
- 7 c. Water

Too much for twelve

Muffins

2 eggs 4 tbsp. butter 8 tbsp. sugar 2 tsp. salt 4 c. butter

Apple and Date Salad.

1 lb. apples cut in small pieces

9 oz. Dates

Dressing.

34	e. Vi	negar
4	tsp.	sugar
4	eggs	
2	tbsp.	butter
2	tsp.	salt
2	tbsp	flour
2	e. mi	llk

Macaroni with Cheese.

7/8 lb. macaroni 3/8 " cheese

4 tbsp. butter

3 c. milk

4 tbsp. flour

1/2 c. buttered crumbs

Pineapple snow.

1 can pineapple

2 lemons

5 Egg whites

Fruit Soup.

1 qt. preserved plums

 $\frac{1}{4}$ pt. eranberries

l qt. water

3 Lemons (juice of)

 $l\frac{1}{2}$ tbsp. cornstarch

Brown Sauce:

8 1b. Roast (juice of)

3 thsp. flour

3 c. water

salt

pepper .

1 bay leaf

tomatoe juice

.16.

Lemon Ice.

1 qt. water

3 lemons

3 c. sugar

1 egg white

Marguerites.

l. c. sugar

 $\frac{1}{2}$ c. nuts

 $\frac{1}{4}$ c. chopped raisins

 $\frac{1}{2}$ c. water

Eggs in nest on toast.

12 eggs

12 slices of toast

Cocoa.

18 tsp. cocoa 12 tsp. sugar 8 c. milk 2 c. water

Meat Croquettes.

l c. milk

4 tbsp. butter

4 tbsp. flour

1 tsp. salt

2 c. ground meat

.17.

Creamed Asparagus.

1 c. milk

- 2 tbsp. flour
- 2 tbsp butter
- ½ tsp. salt
- 2 bunches of asparagus

Parker House Rolls.

2 c. scalded milk

3 tbsp. butter

1 tsp. salt

2 tbsp. sugar

1 yeast cake dissolved in

 $\frac{1}{4}$ c. luke warm water

flour

Orange Ice.

- 4 c. water
- 2 c. sugar
- 2 c. orange juice
 - $\frac{1}{4}$ c. lemon juice

Lady Fingers.

- 3 eggs (whites of)
 - 1/3 c. powdered sugar
 - 2 eggs (yolks of)
 - 1 e. flour
 - 1/3 tsp. salt
 - 1/4 tsp. vanilla

Meat Pie.

Left over meat

" " macaroni

1 can tomatoes

Gravy

Crust.

1½ c. flour
2/5 c. butter
1 1/8 c. milk
5 tsp. baking powder
1/8 salt

Biscuits.

4 c. flour
2 c. milk
4 tbsp. butter
¹/₂ tsp. salt
8 tsp. baking powder

Buttered Beans.

3 cans

1 tsp. salt

3 tbsp. butter

Punch.

6 Oranges

21 lemons

2 c. sugar

.19.

Apple Salad.

2 lbs. apples

3 eggs

spk. cayenne

1 tbsp. sugar

1/8 tsp. salt

1 c. whipped cream

Fruit Sherbet.

Left over fruit soup " " fig juice Added water to make lqt.

1 egg (white of)

Rice and Raisins. $1\frac{1}{2}$ c. rice $\frac{1}{2}$ c. raisins 2 tsp. salt

Eggs poached in Cream on Toast.

12 eggs

1 qt. cream

12 slices of toast

Cream Tomatoe Soup.

4 c. tomatoes 3 c. milk ¹/₂ c. flour ³/₄ c. butter

. 20.

Cream Tomatoe Soup. (Con.)

- 4 tsp. sugar
- 2 tsp. salt
- $\frac{1}{4}$ tsp. pepper
- $\frac{1}{2}$ tsp. soda

Cheese Souffle.

2 c. milk

 $\frac{1}{2}$ c. flour

- 4 tbsp. butter
- 8 eggs
- 2 tsp. salt
- 2 c. cheese

Banana and Nut Salad.

- 6 bananas
- 8 oz. nuts
- $\frac{1}{2}$ c. vinegar
- 3 eggs (yolks)
- I tsp. salt
- 1/2 tsp. butter
- 2 tsp. sugar
- 1 c. cream

Veal Birds.

3 lbs. veal

- 6 c. milk
- 1/2 c. flour
- 2 tbsp. butter
 - salt and pepper

Mashed Potatoes.

- 2 lbs. potatoes
- 1 c. milk
- 3 tbsp. butter

Chocolate Pudding.

3 tbsp. butter

3 c. sugar

3 eggs

 $4\frac{1}{2}$ tsp. baking powder

 $2\frac{1}{4}$ c. flour

 $\frac{3}{4}$ c. milk

 $2\frac{1}{4}$ sq. ehocolate

Sauce.

- 1 c. sugar
 1 c. boiling water
 1 tbsp. cornstarch
 2 tbsp. butter
- l tsp. vanilla

gracked Wheat.

2 c. cracked wheat

7 c. water

Potato Cakes.

10 potatoes

2 eggs

1 c. milk

.21.

Emergency Soup.

1 qt. tomatoes

1 tbsp. flour

1 tbsp. sugar

4 tbsp. butter

1/2 tsp. salt

Scalloped Oysters.

 $1\frac{1}{4}$ lb. oysters

4 c. crumbs

 $\frac{1}{2}$ c. butter

2 c. milk

Tapioca Custard

2 c. tapioca

l qt. milk

3 eggs

 $\frac{1}{2}$ c. sugar

1 tbsp. butter

Salmon Soup.

1/3 c, salmon
1 qt. scalded milk
2 tbsp. butter
4 tbsp. flour
1¹/₂ tsp. salt
pepper

. 22.

Baked Beans.

1 pt. beans

 $\frac{1}{4}$ c. molasses

 $\frac{1}{4}$ 1b. pork

1 tsp. salt

1 " mustard

l " soda

Brown Bread.

1 e. cornmeal
1 c. rye meal
1 c. whole wheat flour
1 tsp. salt
2 " soda
2/3 c. molasses
1 pt. thick sour milk

Cream of Asparagus Soup.

 $l\frac{1}{2}$ qt. milk 6 tbsp. flour 6 " butter

Orange Bavarian.

2 c. orange juice

1 pt. whipped cream

2 tsp. gelatin

Creamed Dried Beef.

3/8 lb. dried beef

2 c. white sauce

. 23.

Fruit Salad.

2/3 c. nuts

6 bananas

1 lb. apples

Salad Dressing.

 $\frac{1}{2}$ c. vinegar

2 eggs

1 tsp. sugar

1 " butter

 $\frac{1}{2}$ c. cream

Chicken Souffle.

2-2/3 c. chicken

2 c. white sauce

4 eggs

Macaroni and Tomatoes.

 $\frac{1}{2}$ lb. macaroni l qt. tomatoes

 $\frac{1}{2}$ e. butter

2 c. erumbs

Apple Pie.

 $I\frac{1}{4}$ lb. apples $2\frac{1}{2}$ c. flour 2/3 c. butter $l\frac{1}{2}$ c. sugar

. 24.

Rolled Oats.

1 c. oats

4 c. water

1 tsp. salt

Corn Meal Gems.

2 esss

1 c. sour milk
4 tsp. butter
1 tsp. salt
1 tsp. soda
1-1/3 c. corn meal
2/3 c. flour

Omelet.

7 eggs ³/₄ c. water 1 tsp. salt

 $3\frac{1}{2}$ tbsp. butter

Creamed Potatoes.

2 c. white sauce

4 c. diced potatoes

Scalloped Tomatoes.

1 qt. tomatoes

2 c. erumbs

1/2 c. butter

. 25.

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4 c. milk
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12 eggs
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\frac{3}{4} c. sugar
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1/2 tsp. salt

Sauce.

- 2 tbsp. caramelized sugar
 - 3 c. sugar

Cream of Wheat with Dates,

2 c. cream of wheat

1/2 1b. dates

Milk Toast.

12 slices bread

l qt. milk

Creamed Peas.

1 can peas

2 c. white sauce

Caramel Ice Cream.

1 pt. thick cream

1 pt. milk

4 tbsp. caramelized sugar

6 " sugar

Sliced Oranges

- 6 oranges
- 4 bananas

. 26.

Cream of Pea Soup.

 $1\frac{1}{2}$ qt. milk

6 tbsp. butter

6 " flour

1 tsp. salt

2 c. peas

Frozen Chocolate Custard.

2 tbsp. chocolate

1 pt. cream

1 pt. milk

2 eggs

 $\frac{1}{2}$ c. sugar

Apple, Banana, Peanut Salad.

9 oz. apples

5 bananas

h c. salted peanuts

whipped cream salad dressing

Cereal Pudding.

Left over rice and cereal

1 cup raisins

7 eggs

4 cup milk

1/2 " sugar

lemon sauce

Fried Mush.

- 2 c. corn meal served
 - with caramel syrup

Caramel Syrup.

- $\frac{1}{4}$ c. caramelized sugar
- 1 c. sugar
 - water to make syrup

Asparagus Salad with Hollandaise Sauce.

2 bunches asparagus

Hollandaise sauce

- 4 egg yolks
- 1 c. butter
- 2 tbsp. lemon juice
- 2/3 c. boiling water

Potatoes with Maitre d' Hotel Butter.

- $\frac{1}{4}$ c. butter
- ? tsp. lemon juice
- 4 tsp. chopped parsley

Lemon Ice Cream.

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l pt. milk l pt. cream l egg

2/3 c. sugar

.28.

Oatmeal Date Wafers.

 $2\frac{1}{2}$ c. rolled oats

 $2\frac{1}{2}$ c. flour

1 c. brown sugar

1 c. butter

1 tsp. soda

Scrambled Eggs on Toast.

15 eggs

2 c. milk

12 slices of toast

Corn Meal Muffins.

 $\frac{1}{4}$ c. butter $\frac{3}{4}$ c. sugar 2 eggs 1 c. milk 2 c. flour 1 c. corn meal 4 tsp. baking powder $\frac{1}{2}$ " salt

Dressing for Chickens.

8 c. stale bread, soften with hot water pepper salt sage poultry dressing

to taste (enough for two chickens)

.. 29.

Lettuce Salad.

- 2 bunches of lettuce
 - Once the receipt of

cooked salad dressing.

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Mince Pie.

 $2\frac{1}{2}$ c. flour $\frac{1}{2}$ c. butter

1 gt. mince meat

makes two pies

clear Soup.

9 c. beef stock

2 tbsp. tomatoe juice

salt

pepper

Chicken Croquettes.

7 c. chicken and dressing
4¹/₂ c. milk
¹/₂ c. butter
1 c. flour
3 egg yolks
1¹/₂ c. erumbs

Brazed Beef.

6 lbs. beef ½ c. chopped onions 1 c. carrots 1 tsp. pepper

. 30.

Santed Bananas.

9 bananas

2 c. ground peanuts

Lemon Hamburg Cream.

5 eggs

- 5 tbsp. lemon juice
- 5 " sugar

Cream Beef on Toast.

3 c. ground meat

 $1\frac{1}{2}$ c. white sauce

12 slices of toast

Chicken a la Moude.

1 pt. cream

6 c. chicken stock

2 eggs

 $\frac{1}{2}$ pt. whipped cream

Rice Croquettes.

2 c. rice

2 eggs

1 c. hot milk

Lettuce Salad.

 $\frac{3}{4}$ 1b. lettuce

 $\frac{1}{2}$ pt. cream

 $\frac{1}{4}$ c. vinegar

 $\frac{1}{2}$ c. sugar

.31.

Banana Custard.

4 c. milk

4 eggs

 $\frac{1}{2}$ c. sugar

3 bananas

l tsp. vanilla

Peanut Cookies.

³/₂ c. butter
1¹/₂ c. sugar
6 eggs
1¹/₂ tbsp. baking powder
3 c. peanuts
1¹/₂ tsp. salt
3 c. flour
³/₄ c. milk

3 tsp. lemon juice

Creamed Asparagus on Toast.

2 bunches asparagus

2 c. white sauce

12 slices of toast

Camelon of Beef.

3 lbs. beef

1 egg

 $\frac{1}{2}$ c. butter

Breaded Veal Cutlets.

3 lbs. 14 oz. veal

Tomatoe Sauce.

2/3 c. tomatoe juice

1 tbsp. butter

1 . " flour

salt

pepper

Scalloped Macaroni and Tomatoes.

6 oz. macaroni

1 can tomatoes

1 c. crumbs

Brown Pudding.

6 tbsp. flour 3 tbsp. butter 1 c. molasses 2/3 c. sugar $\frac{1}{2}$ tsp. soda 4 eggs

Golden Sauce.

2 eggs

 $\frac{1}{2}$ c. butter

chocolate.

2 sq. chocolate $1\frac{1}{2}$ qt. milk

6 tbsp. butter

.33.

Meat Souffle.

2 c. milk

1/8 c. butter

1/8 c. flour

l tsp. salt

l " pepper

 $\frac{1}{2}$ c. crumbs

· 4 c. chopped meat

3 eggs

1 tsp. parsley

Liver Souffle.

2 c. scalded milk 1/8 c. butter 1/8 cup flour 1 tsp. salt 1/2 c. bread crumbs 2 c. ground liver 3 eggs (whites)

Twice the receipt too much for twelve

867

Tomatoe and Cabbage Salad.

 $2\frac{1}{4}$ lbs, tomatoes

boiled salad dressing

 $\frac{1}{2}$ c. vinegar

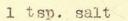
1 tbsp. butter

1 " flour

l c. milk

2 eggs

.34.



2 " sugar

Prune Whip.

1½ lb. prunes
1¼ cup sugar
1 tsp. vanilla
9 egg whites
½ cup ream whipped
4 tsp. powdered sugar

Strawberry Ice Cream.

1 box strawberries

1 qt. cream

 $1\frac{1}{4}$ c. sugar

Prune Souffle.

1¹/₂ lbs. pmunes
1¹/₄ c. sugar
1 tsp. vanilla
9 egg whites

List of Supplies.

Cheese 3 lbs.	\$.75
Dates 2 lbs. 14 oz.	. 30
Lemons 4 lbs. 14 oz. (3 doz.)	. 75
Ham 4 lbs.	.90
Figs 31bs.	.60
Sugar Domino - 5 lbs.	. 45
shoulder & Clod - Medium Fat at 10¢	.85
Shredded Wheat Biscuit 13 oz.	.13
Sallinio 2 boxes 21 oz.	. 30
Eggs 6 doz. $7\frac{1}{2}$ lbs. at .12	.72
Honey 2 lbs. 2 oz.	. 30
Raisins 2 pk. 1 1b. 14 oz.	. 30
Olives 2 bottles	. 35
Cod fish $\frac{3}{4}$ lb.	.15
English Walnuts $3\frac{1}{2}$ lbs.	.60
Asparagus 11b. 9 oz.	. 40
Apples 1 1b. 12 oz. at $.02\frac{1}{2}$.04
Corn Meal 10 lbs. 3 oz.	.15
Cabbage 1 1b.	.05
Butter 4 lbs. at .35	1.40
Sugar 10 lbs at $.05\frac{1}{4}$.52 <u>1</u>
Coeoa l can $\frac{1}{2}$ lb.	.18
Oranges 15 - 9% 1bs. at .40	.50
Rolled oates $1\frac{3}{4}$ lbs.	
Chocolate 1 1b.	.34
Macaroni $l\frac{1}{4}$ at .12 per pkg.	.18

Cream of Wheat $3\frac{1}{4}$ lbs. .53 Rice $2\frac{1}{4}$ at .08 .18 Flour 15 lbs. at .02 .30 Gelatin 80z. .10 per pkg. . 20 Powdered sugar 1 3 lbs. at .10 .17= Tapioca 1 1b. .25 Yeast ,03 Apples 2 lbs at $.02\frac{1}{2}$.05 Lima Beans 11 1b. 12 oz. 2 cans . 30 Corn Starch $\frac{1}{4}$ lb. at .08 .02 Tomatoes 1 can 2 lbs. 3 oz. . 10를 Oranges 6 3 lbs. .181 Lemons $2\frac{1}{2}$ 6 oz. :05 Bread 1 loaf 15 oz. .08 1/3 Butter 4 lbs. 1.40 Crakers $1\frac{3}{4}$ lbs. at .06 .09 Bananas $\frac{1}{2}$ doz. .10 .20 Eng. Walnuts 1 1b. 10 oz. Veal 3 lbs. 1 oz. .45 . 25 Apples & Quinces .38 Potatoes (new) $3\frac{1}{2}$ lbs. , 30 Flour 15 lbs. . 38 Oranges 1¹/₂ doz. 9 lbs. .30 Eggs 2 doz. .24 Oysters 2 c. 1 1b. 4 oz. . 40 Chickens (2) 7 lbs. 4 oz. .011 Crackers 1 1b. .10 Asparagus 6 oz. . 25 Pickles 2 1bs. . 37.

Salmon 1 can 1 lb. \$.16 Tomatoes 1 can 1 1b. ·101 Bananas $4\frac{1}{2}$ 1b. . 30 Bread 6 loaves 7¹/₂ lbs. .50 Radishes 1 lb. .10 Dried Beef 8 oz. .30 Crackers 5/8 lb. .03 Butter 1 1b. .33 Oranges 41 lbs. 3 oz. . 30 Macaroni $\frac{1}{4}$ lb. .031 Tomatoes 1 can 1 lb. . 10를 Apples $4\frac{1}{4}$ lbs. .12 Bananas $2 \text{ doz.} 6\frac{3}{4}$ lbs. .40 Peanuts $1\frac{3}{1}$ lbs. .19 Oranges $9\frac{1}{2}$ lbs. $1\frac{1}{2}$ doz. .50 Rhubarb 41 1bs. . 25 Eggs $\frac{1}{4}$ doz. .03 Butter 2 lbs. .70 Bread 5 loaves $6\frac{1}{2}$ lbs. . 40 .10 Liver 2 lbs. Bacon $\frac{1}{4}$ 1b. .05 .24 Eggs 2 doz. .041 Crackers $\frac{3}{4}$ lb. .50 Bread $6\frac{1}{2}$ lbs. 6 loves Butter 8 1bs. 70z. 2.95 .01 Apples 6oz. Lemons 2 doz. $4\frac{1}{2}$ lbs. .50 .12 Eggs 1 doz.

. 38.

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Peas 2 cans 2 lbs. 1 oz.	\$.23
Potatoes 6 lbs.	.09
Steak 4 lbs.	.60
Onions 4 oz.	.01
Oranges, 11 lbs. 2 doz.	.80
Eggs 6 doz.	72
Flour 4 lbs. 10 oz.	•09
Rice $\frac{1}{2}$ lb. at .08	.04
Olives $l\frac{1}{2}$ lbs.	. 40
Sweet Pickles l_{4}^{1}	. 25
Catsup 2 lbs.	• 25
Veal Roast 4 lbs. 2 oz.	. 40
Sugar $\frac{1}{2}$ 1b.	•02 <u>1</u>
Peanuts 1 1b.	.15
Potatoes 3 lbs. 6 oz.	.07
Apples 1 lb.	.02 <u>1</u>
Saratoga Flakes 12 oz.	.15
Bananas 1 doz. 3 lbs. 4 oz.	• 30
Cocoanut 1 1b.	. 30
Asparagus $6\frac{1}{2}$ lbs. (cooked)	. 40
Meat - Round Steak $1\frac{3}{4}$ lbs.	. 25
Beans ½ 1b. (dried)	.02 <u>1</u>
Oranges 2 doz. at .40 $1\frac{3}{4}$ lbs.	,80
Bread 9 1bs.	.75
2 Chickens $10\frac{1}{4}$ lbs.	1,50
Flour 9 lbs. $2\frac{1}{2}$ oz.	.18
Molasses 10 oz.	.02 <u>1</u>
Powdered Sugar 2 1bs. at .10	. 20

Jelly "lolb: 2 oz. 2 or.	\$.10 .
Vinegar 1 qt.	.05
Lettuce 1 1b.	. 20
Sugar $9\frac{1}{2}$ 1bs. at 5	• 47 ¹ / ₂
Oranges l'16.	.07
Eggs (11) 22 oz.	711
Bread 4 lbs. 14 oz.	.12
Butter 9 oz.	• 24
Eggs 12 doz.	.06
Potatoes 4 lbs. 1 oz.	.09
Oranges 1/3 doz. 2 lbs.	.13
Lemons $\frac{1}{4}$ doz. 9 oz.	. 0.6
Sugar $\frac{1}{2}$ lb.	.02 ¹ /2
Egg 2 oz.	.01
Pear Pickles 1, 1b. 14 oz.	28
Eggs (5) 10.0z.	•05
Mince Meat 1 qt. 2 lbs.	. 20
Oranges 1/2 1b.	.03 ¹ / ₂
Crackers 1 1b. 6 oz.	.08
Onions 1 1b. 5 oz.	.07
Carrots 11 oz.	.10
Peanuts 4 lbs. 14 oz.	
Bananas 10 1bs. 6 oz. 3 doz.	90
Lemons (6) 15 oz.	.12 ¹ / ₂
Cocoa 1 oz.	
Tongue 1 1b. 6 oz.	
Jelly 2 lbs.	
Apple Pickles 2 lbs. 12 oz.	

. 40.

Macaroni 14 oz. 1 box \$.12 Eggs 7 doz. 1 egg. .85 Liver 4 1bs. .20 Potatoes 3 lbs. 12 oz. .08 Bread 3 1bs. . 25 Ground Coffee 3 c. .06 Butter 1 1b. .35 Apple Sauce 2 lbs. .10 Lemons 2 doz. $2\frac{1}{4}$ lbs .25 Cold Ham 2 lbs. .70 Lettuce 1 1b. .20 White Bread 18 oz. .03 Asparagus $1\frac{3}{4}$ lbs. .40 String Beans 1 1b. 14 oz. .10 Pickles 5/8 lbs. .25 Eggs 6 doz. .72 Jelly 1 1b. .10 1.05 Butter 3 lbs. Potatoes 3 lbs 12 oz. .08 .10 Bread $1\frac{1}{2}$ lbs. .70 Butter 2 lbs. . 29 Flour 13 lbs. 14 oz. .30 Meat Shoulder 3 lbs. .20 Oranges $\frac{1}{2}$ doz. 3 lbs. .60 Pineapple 2 cans 3 lbs. .09 Potatoes $4\frac{1}{2}$ lbs. .08늘 Chocolate 4 oz. .25 Bread 2 lbs. 12 oz.

.41.

10			
		815	
Prunes $\frac{3}{1}$ lbs.	\$		
Apricots 1 lb.	\$.07 <u>1</u>		
Eggs 2 doz.	.12 ¹ / ₂		
Lemons (23) 8 lbs.			
	. 48		
Eggs (1)	.01		
Chocolate 3 oz.	.07		
Butter 1 1b.	. 35		
Sugar 5 lbs.	• 25		
Bread 9 lbs.	.75		
Bread 1 1b. 6 oz.	.03		
Eggs 2 doz.	. 24		
Butter 1 1b.	. 35		
Oranges $9\frac{3}{4}$ lbs. $1\frac{1}{4}$ doz.	.50		
Tomatoes 1 lb.	.10 ¹ / ₂		
Cheese 6 oz.	.09		
Peas 2 lbs.	.23		
Limas 2 lbs. canned	. 30		
Potatoes 8 ³ / ₄ lbs.	$.17\frac{1}{2}$		
Butter 14 oz.	. 30	- Series	
Eggs ³ / ₄ doz.	.09		
Corn 1 lb.	.11 ¹ / ₂		
Cream of Wheat 3 Oz.	.03		
Eng. Walnuts 2 oz.	.02 ¹ / ₂		
Apples 14 oz.	.02½		
Pear Pickles 1 jar 2 lbs.	.28		
Pineapple 7 oz.	.15		
	.10		
Jelly 1 1b.			
Butter 5 lbs.	1.75		

.42.

Beans $3\frac{1}{2}$ lbs. (dry)	$.17\frac{1}{2}$	
Eggs 6 doz.	.72	17.000 17.000
Cabbage $\frac{3}{4}$ lb.	.05	
Bread 3 lbs.	. 25	
Bacon 2 oz.	.02	
Bread $9\frac{3}{4}$ lbs.	.75	
Shredded Wheat Biscuit 13 oz.	.13	
Tenderlion 4 lbs.	.70	
Brown Sugar $4\frac{1}{2}$ lbs.	. 30	
Oranges $18\frac{1}{4}$ lbs. 3 doz.	1.20	
Oranges $4\frac{1}{2}$ lbs.	. 40	
Sugar 1 1b.	.05	
Lemons 3 oz.	.02	
Plum Perserves 2 lbs. 202.	. 28	
Tomatoes 1 1b.	.10 ¹ / ₂	
Veal 3 lbs. 14 oz.	.70	
Mutton 4 lbs. 14 oz.	.75	
Flour 13 ¹ / ₂	. 27	
Rhubarb 4 lbs.	.20	
Sugar $9\frac{1}{4}$ lbs.	.46	
E. Manna 1 1b.	.15	
Jelly 1 lb.	.10	·
Graham Flour ½ 1b.	.01 ¹ / ₄	
Oranges $4\frac{1}{4}$ lbs. 1 doz.	. 40	
Butter 1 1b.	. 35	
Chocolate 1 lb.	.34	
Tomatoes 1 1b.	.10 ¹ / ₂	
Pineapple 7 oz.	.15	
Oranges ½ doz. 31bs.	. 20	1.1
.43.		ALL ALL ALL

.43.

Bananas 3 doz. 2 lbs. 15 oz.	\$.15
Baking Powder 9 oz.	• 22
Potatoes 8 lbs. 5 oz.	.17
Bread $5\frac{1}{2}$ lbs.	. 30
Salmon 2 lbs.	. 32
Onions $\frac{1}{4}$ lb.	.01
Crackers 1/4 lb.	°.01 ¹ /₂
Asparagus $\frac{1}{4}$ lb.	.05
Butter 3 oz.	.07
Lemons $4\frac{3}{4}$ lbs. $l\frac{1}{2}$ oz.	. 37 ¹ / ₂
Chocolate $\frac{1}{2}$ lb.	.17
Butter 4 lbs.	1,40
Crackers 1 1b. 10 oz.	.10
String Beans 2 lbs.	.10
Eggs $\frac{1}{2}$ doz.	106
Potatoes $5\frac{1}{2}$ lbs.	.11
Tomatoes 1 1b.	·10½
Pork Chops 1 1b.	,15
Pork Chops 3 1bs	• 45
Eggs 3 doz.	.36
Cucumbers $1\frac{3}{4}$ lbs.	.10
Fresh Tomatoes 2 lbs.	: 35
Egg (1)	.01
Butter 4 lbs.	1.40
Asparagus 1 ¹ / ₄ lbs.	. 20
Lettuce 1 1b.	. 20
Tomatoes 1 lb.	10 ¹ /2
Rib Roast $7\frac{1}{2}$ lbs.	1.00

877

.44.

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		a series and
Sirlion 3 lbs.	\$.53	
Mutton Chops 1 1b.	. 20	
Apple Sauce 2 gts. 4 lbs.	. 20	
Eggs $\frac{1}{2}$ doz.	.06	
Potatoes $4\frac{1}{2}$ lbs.	.09	
Oranges 1 doz. 6 1bs.	. 40	
Eggs (14) 28 oz.	.14	
Jelly 1 lb.	.10	
Graham Flour $2\frac{1}{4}$ lbs.	.06 <u>4</u>	
Cabbage 2 lbs.	.10	
Strawberries 1 box $\frac{3}{4}$ lb.	. 20	
Butter 6 oz.	.13	
Spinach 1 1b.	• 05.	
Beets $1\frac{3}{4}$ lbs	.10	
Butter 8 lbs.	2.80	
Eng. Walnuts	.05	
Mince meat 3 ³ / ₁ lbs.	. 40	
Sirlion Steak 4 lbs.	.70	
Cream of Wheat 1 1b. 10 oz.	. 25	
New Potatoes 4 1bs.	. 40	
Mackeral 12 lbs.	. 30	
Oranges 144 lbs. 2 doz.	. 70	
Lemons 4 lbs. $l_2^{\frac{1}{2}}$ doz.	• 45	
Bread $9\frac{1}{4}$ lbs. 9 loaves	.75	
Egg o See 14 oz. 1 pkg.	.15	
Ham $2\frac{3}{4}$ lbs.	1.05	
Banana	.01 ¹ / ₂	
Strawberries 9oz.	.15	

.45.

878

Orange (1) $\frac{1}{2}$ lb. \$.03 1/3 Bread 31bs. 1 oz. . 25 Eggs 2 doz. .24 Chicken $1l\frac{1}{2}$ lbs. 1.50 Powdered Sugar 1 1b. .10 Dr. Breakfast Food 14 oz. .121 Onions $\frac{3}{4}$ lb. .03 Cracked Wheat 1 1b. .061 Cracked Wheat 1 1b. .03 Jelly 1 1b. .10 Lima Beans $2\frac{1}{2}$ lbs. .30 Tomatoes 1 1b. . 10를 .32 Salmon $1\frac{1}{2}$ lb. Sugar $2\frac{1}{2}$ lbs. ·07= .06 Crackers 1 1b. Pickled Pears 21/2 lbs. . 28 .07 Eggs .03 Bananas .10 Bread 1 loaf 15 oz. .06 Eggs (6) .621 Lard 5 lbs. at $.12\frac{1}{2}$.47 Flour 23 lbs. 9 oz. .24 Eggs 2 doz. . 20 Oranges $\frac{1}{2}$ doz. 3 lbs. .30 Lemons $1\frac{3}{4}$ lbs. 1 doz. 4.981 Cream $28\frac{1}{2}$ lbs. 5.09 Milk 2551 1bs.

\$105.00

. 46.

Expenses of each girl \$2.18 a week.

The cost of the experiment /05,00which is 2./8 per week per person. The girls all gained from one to six pounds, with the exception of one who gained at first but came back to original weight at the end of the experiment on account of over work. The fact that this one did not go below her original weight even under nervous strain, indicates that the diet was sufficient. 880

The greatest gain in weight occured during the first three or four days of the experiment when some gained as much as two or three pounds. This was due to the change in diet, many having been boarding. The exhilaration of the companionship doubtless assisted in the digestion.

The change in the diet generally causes a rapid increase in weight but as the system regulates itself to this change, the increase in weight is not so rapid but becomes more gradual.

The waste from the meals was little actual food, it being for the most part only the inedible portion of the food as, bones, peelings and similiar substances.

The nutritive ratio of the whole amount of food consumed in the month was found to be . The proper proportion is 1: 6, so the meals were quite well balanced, there being only a small excess of non-nitrogenous material. The calories necessary per day for the average person doing average work is 3000. This assumes a weight of 140 lbs and as one's needs are proportion to weight and the subjects of the experiment were with one exception, below this weight, therefore the amount consumed conformed to the usual standard, the calories in the experiment amounting to

Considering everything the experiment was undoubtedly a success. Some valuable data were collected, excellent meals were prepared at a moderate cost besides the invaluable practice obtained by the girls in preparing and serving such meals to a large number. 881

- 35.

MATR'L	LBS.	PRO.	FAT.	CARBO.	CAL.	PRO.	FAT	CARBO.	CAL.
Change	$3\frac{1}{4}$	25.4	20 F						
Cheese	INT. NATION		29.5	3.6	1785	82.55	95.87	11.7	5801.25
	2#60z.	2.1	2.8	78.4	1615	4.98	6.65	186.2	3835.62
Lemons 3	5#5oz.	.7	•5	5.9	145	24.71	17.65	208.32	5119.95
 Ham	14	19.8	20.8		1245	34.65	36.4		2178.75
Figs	2 #1 50z	4.3	.3	74.2	1475	12.59	.879	217.4	4321.75
Sugar	49			100.	1860			4900.	91140.
Beef	33 ¹ 2	19.4	15.5		1015	649.9	519.25		34002.5
Crackers	7.25	9.8	9.1	73.1	1925	71.05	65.97	529.97	3956.25
Shd.Whea	t 1#50z	10.5	1.4	77.9	1700	14.43	1.92	107.11	2337.5
Eggs	70.25	11.9	9.3		635	835.97	653.32		44608.75
Honey	2 1/8	.4		81.2	1520	8.5		172.55	3330.
Raisins	l	2.6	3.3	76.1	1605	2.6	3.3	76.1	1605.
Olives	2.5	.8	20.2	8.5	1025	2.	50.5	21.25	2562.5
Codfish	.5	19.	.4	18.5	315	9.5	.2	9.25	157.5
E.Walnuts	s 3#60z	16.6	63.4	16.1	3285	76.02	213.97	54.33	11086.87
Asparagu	s 5	1.8	.2	3.3	105	9.	1.	16.5	525.
Bananas	33#13"	.8	.4	14.3	300	27.24	13.53	483.48	10143.
Apples	5#13oz	.4	.5	14.2	290	2.32	2.9	82.5	1684.9
Cornmeal	334	9.2	1.9	75.4	1655	34.5	10.12	28.27	6206.2
Cabbage	<u>1</u> 2	1.6	.3	5.6	145	.8	.15	2.8	72.5
Pickles	3 #14 0z		.3	2.7	70	1.93	1.16	10.44	270.9
Butter	51	1.	85.		3605	51.	4335.		21853.0
Cocoa	.5		28.9	37.7	2320	10.80	14.40	18.85	1160.0
Oranges	114 #10oz	8	.2	11.6	240	91.69	22.92	1329.59	27508.8
Rld.Oats	•5	16.7	7.3	66.2		8.35			

MATR'L	LBS.	PRO.	FAT	CARBO.	CAL.	PRO.	FAT	CARBO	CAL.
Chocolate	2#10oz	12.9	48.7	30.3	2860	34.79	127.59	79.38	7093.20
Macoroni	2#40z.	13.4	.9	74.1	1665	30.15	2.02	166.72	3746.25
Crm.Wheatn	412	11.1	1.7	75.5	1685	49.95	7.65	339.75	7482.5
Rice	1 #1 3oz.	8.	.3	79.	1630	14.48	.543	142.99	2950.3
Flour	89	11.4	1.	75.6	1660	1014.6	85.	6728.4 1	
Gelatin	60z.	91.4	.1		1705	34.48	.037		639.36
Graham	3#10oz.	13.3	2.2	71.4	1670	48.14	7.96	258.46	6045.4
Tapioca	50z.	.4	.1	88.	1650	2.12	.531	477.28	8751.50
Lima Beans	4	3.2	2.5	77.1	1765	12.8	10.	308.4	7060
Corn Starcl	h <u>1</u>			90.	1675			22.5	418.75
Tomatoes	8	1.2	.2	4.	105	9.6	1.6	32.	840
Bread	81	9.1	1.6	53.3	1225	731.	123.6		99225.
Apples									
(cooked)) 13	.2	.8	37.2	730	2.6	10.4	483.6	9490.
Potatoes	44#130z	2.2	.1	18.4	385	88.45	4.475	813.20	40999.75
Oysters	1#20z.	8.8	2.4	3.9	335	9.9	4.950	4.387	376.87
Chicken	3 5 #	21.5	2.5	1.	505	752.	87.5		17675.
Veal	91	21.3	4.1		570	202.35	38.95		5415.
Radishes	1	1.3	.1	5.8	135	1.3	.1	5.8	135
Salmon	4	21.8	12.1	12.1	915	87.2	47.44	48.4	3660.
Peanuts	5호	25.8	38.6	24.4	2560	141.9	212.3	134.2	14080.
Rhubarb	3#80z.	.6	.7	3.6	105	2.1	2.45	12.6	367.5
Peas	2 # 50z	3.6	.2	9.8	255	8.31	4.62	22.63	589.05
Onions	1 #7 oz.	1.6	.3	9.9	225	2.28	4.29	14.15	321.75
Cocoanut	120z.	6.3	57.4	31.5	3125	4.72	43.05	23.62	2343.75
Catsup	ᇩ						1	х	
Jelly	6	1.1		77.2	1455	6.6		473.2	873.0

MATR'L LB:	S. PRO.	FAT	CARBO.	GAL.	PRO.	FAT	CARBO.	CAL.
7.47	40z. 20.4			COF	-			
			1.7	605	78.94	17.41	6.57	2341.35
Bacon 50		67.4		3030	3.06	20.89		939.3
Vinegar 2								
Lettuce 1#	60z. 1.2	.3	2.9	90	1.64	.41	3.97	123.3
Mincemeat $5\frac{3}{4}$	4.8	6.7	32.1	970	27.60	38.32	184.57	5577.5
Carrots 11	oz. 1.1	.4	9.3	210	.748	.272	6.32	142.8
String Beans	32 .8	1.1	1.9	95	2.8	3.85	6.62	334.5
Pork 9	#30z. 17.3	31.1		1635	158.81	285.49	-	15009.3
Pineapple :	3출 .4	.3	9.7	200	1.40	1.05	32.95	700.
Prunes	.9		18.9	370	.225		4.72	925
Apricots :	4.7	1.	62.5	1290	4.7	1.	62.5	1290
Corn 14	4oz. 2.8	1.2	19.	455	2.43	1.04	16.53	395.85
Beans(dry)	22.5	1.8	59.6	1605	50.62	3.05	134.1 0	3611.25
Brown sugar	1#60z		95.	1765			315.15	7713.05
Cucumbers 3	1 ¹ / ₂ .8	.2	3.1	80	1.2	.3	4.65	120
Molasses I	10oz. 2.4		69.3	1290 0	1.48		42.96	799.8
Grape Nuts	60z.							
Plum Preserves	s 2#20z.1		20.1	395	2.12		42.61	837.4
Pear Fickles	3#60z .3	.3	18.	355	1.01	1.01	60.66	1196.35
Mutton	5#10oz15.	1 33.0	6	1700	84.86	188.83		9554.
Eliza's Manna	1# 13.	4 1.4	4 74.3	1690	13.4	1.4	74.3	1690.
Bkg.Powder	90z.							
Strawberries	14 1.	(5 7.4	180	1.25	.75	9.25	225
Spinach	3/4 2.	1.	3 3.2	110	1.57	.225	2.4	82.5
Beets	1 <u>3</u> 1.	6 .:	1 9.7	215	2.8	.175	16.97	336.25
Mackeral	1호	17.:	3 26.4	1435		25.95	39.6	2152.5

7									
MATR'L	LBS.	PRO.	FAT	CARBO.	CAL.	PRO.	FAT	CARBO.	CAL.
Dr.Prices	1402.	13.4	1.4	74.3	1690	198.29	20.81	1111.24	26930.3
cracked Wh	eat 1	11.1	1.7	75.5	1685	11.1	1.7	75.5	1685.
Lard	32			100.	4220			350.	14770.
Milk	255 ¹ / ₂	3.3	4.	5.	325	843.15	1022.	1277.5	83037.5
Cream	282	2.5	18.5	4.5	910	71.25	507.25	128.25	the sale sale of the desired services in successful where
						6868.57	8993.80	28489.84	883426.34

Nutritive Ratio 1:7.8

Calories per day per person--2629.25