# DESIGN

Main

# Initialize Variables

# Collect number of people

# Collect number of days

# Collect food per day

# Collect fuel per day

# Calculate total food cost

# Calculate total fuel cost

# Calculate food cost per person

# Calculate fuel cost per person

# Output values

End

# TEST PLAN

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Test Case |  | | | Expected Output | |
| 1 | # People | 5 | | Total Food | 303 |
| # Days | 5 | | Total Gas | 146 |
|  | Food | Gas | Food per person | 60.6 |
| 1 | 23 | 45 | gas per person | 29.2 |
| 2 | 55 | 0 |  |  |
| 3 | 45 | 0 |  |  |
| 4 | 60 | 49 |  |  |
| 5 | 120 | 52 |  |  |
|  | | | | | |
| 2 | # People | 3 | | Expected Output | |
| # Days | 2 | | Total Food | 430 |
|  | Food | Gas | Total Gas | 90.05 |
| 1 | 180 | 66.8 | Food per person | 143.3333 |
| 2 | 250 | 23.25 | gas per person | 30.01667 |
|  | | | | | |
| 3 | # People | 13 | | Expected Output | |
| # Days | 3 | | Total Food | 600 |
|  | Food | Gas | Total Gas | 227 |
| 1 | 120 | 71 | Food per person | 46.15385 |
| 2 | 300 | 57 | gas per person | 17.46154 |
| 3 | 180 | 99 |  |  |
|  | | | | | |
| 4 | # People | 2 | | Expected Output | |
| # Days | 4 | | Total Food | 1706.8 |
|  | Food | Gas | Total Gas | 148 |
| 1 | 450 | 31 | Food per person | 853.4 |
| 2 | 300 | 38 | gas per person | 74 |
| 3 | 500 | 41 |  |  |
| 4 | 456.8 | 38 |  |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | | | | | |
| 5 | # People | 20 | | Expected Output | |
| # Days | 3 | | Total Food | 6200 |
|  | Food | Gas | Total Gas | 2000 |
| 1 | 2000 | 720 | Food per person | 310 |
| 2 | 1800 | 500 | gas per person | 100 |
| 3 | 2400 | 780 |  |  |

# SCREEN SHOTS

Case 1

A computer screen shot of a blue screen

Description automatically generated with low confidence

Case 2

A computer screen shot of a blue screen

Description automatically generated with low confidence

Case 3

A computer screen shot of a blue screen

Description automatically generated with low confidence

Case 4

A computer screen shot of a blue screen

Description automatically generated with low confidence

Case 5

A computer screen shot of a blue screen

Description automatically generated with low confidence