ABSTRACT

This is the teacher's guide to accompany the student guide which together comprise one of five computer-oriented environmental/energy education units. This unit is concerned with the attitude of people toward gasoline shortages and different steps the government could take to reduce gasoline consumption. Through the exercises, part of which make use of a computer program, students consider methods of reducing gasoline consumption, explore the attitudes of people toward these methods, learn that people's attitudes differ, and form and express their own attitudes. This unit is appropriate for social studies and environmental education courses grades 9 through 14. This teacher's guide provides a sample run of the computer program and gives suggestions for using the unit in class. (HR)
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Prospective users of this manual are urged to first run the sample simulation program provided in order to determine any needed or desirable adjustments prior to...

September 1975
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INTRODUCTION TO THE UNIT

Unit Description

Subject Areas: Social Studies, Environmental Education

Topic: Attitudes toward the gasoline shortage and methods of reducing gasoline consumption

Abstract: This unit is concerned with the attitude of people toward the gasoline shortage and different steps the government could take in order to reduce gasoline consumption. Through the exercises, which are the heart of this unit, the students will consider various methods of reducing gasoline consumption, consider the attitudes of various people toward those methods, learn that different people have different attitudes, and finally form and express their own attitudes.

Part of the exercises make use of a computer program, ATITUD. That program (1) enables students to enter their attitudes toward various issues having to do with the gasoline shortage and (2) prints the student attitudes as well as attitudes of the American public as determined by the Gallup and Harris polls.

Some of the exercises involve students' taking polls in order to determine the attitudes of their friends, relatives, neighbors, etc., toward methods of reducing gasoline consumption. As a final exercise the student is asked to take the role of a member of Congress, consider his/her own attitudes as well as the attitudes of others, and vote on various methods of reducing gasoline consumption.

Grade Level: 9-14

Computer Language: BASIC

Program Name: ATITUD
Objectives

Upon completion of this unit, the student will:

1. Be aware of the attitudes of various people toward methods of solving the gasoline shortage problem.
   a. Recognize that different groups of people, with different backgrounds and interests, have different attitudes toward methods of solution of the gasoline shortage.

2. Understand that government actions toward relieving the gasoline shortage must depend, to some extent, on the attitudes of the people, which may be conflicting.

3. Be able to formulate and express his/her own attitudes toward various methods of reducing gasoline consumption.

Description of the ATITUD Program

ATITUD offers the user two options:

1. To enter and store his or her own answers to 17 questions about the gasoline shortage and methods of reducing gasoline consumption.

2. To see a summary of the responses to the same questions gathered
   a. by Harris and Gallup polls, and
   b. from all his or her classmates

The program is used in Exercise 1 as the means for entering and storing class data on attitudes toward the gasoline situation. In Exercise 2, ATITUD is used to print out data from professional polls and from class entries as a basis for comparison and analysis.

The ATITUD program and printout is clearly structured for ease of interpretation. Even students with no familiarity with computer materials will find no difficulty working with ATITUD and its printout.

A sample run and program listing are given in the last section of this Guide. Instructions for setting up the program for class use are given on page 3.
USING THE UNIT IN THE CLASSROOM

Preparing to Use the Unit

The primary focus of this unit is on attitudes toward the gasoline shortage and toward methods of reducing gasoline consumption. It should be continually emphasized that the purpose of the unit is to examine attitudes and their relation to government actions, not to learn how to solve the shortage problem.

The unit was developed during the spring of 1975 and contains information current at that time. Since then, conditions may have changed and the government may have taken new actions in order to reduce gasoline consumption, causing some of the information presented to be out-of-date. Therefore, before assigning exercises it is suggested that you study the exercises and provide supplementary current information, as necessary. Or, you may wish to assign a special exercise which involves having students determine what conditions have changed and what actions have been initiated since the material was developed.

Setting Up the Computer Program

The computer program ATITUD is used for Exercises 1 and 2. The program makes use of a file which must be opened prior to running the program. The file name is ATITD. It is one record long. It is opened by entering

OPEN - ATITD,1

If a file name other than ATITD is used, the program statement

140 FILES ATITD

must be changed accordingly. For example, if you used file name ONE you would enter

OPEN - ONE,1

and would change statement 140 to

140 FILES ONE

A sample run and listing of ATITUD are given in the last section of the Guide.
Suggestions for Teaching the Unit

It is essential that the students read the background information at the beginning of the Student Guide before proceeding to the ten exercises in the Guide. You may wish to have the students do just some of the exercises rather than all of them, depending on how extensively you wish to cover this topic and on the amount of time available. If time is very limited you may wish to assign just Exercises 1 and 2.

Exercises 1 and 2 make use of the computer program ATITUD. In Exercise 1 each student will express his/her attitude toward various issues involved in the gasoline shortage by responding to questions and statements. Exercise 2 calls for you or the students to use the program and retrieve a summary of student responses as well as responses gathered by the Gallup and Harris polls.

In Exercise 1 the students will be asked some questions about driving a car and transportation to work. You may wish to tell your students to respond as if they were older and were working full time or to respond as they feel their parents would.

Suggested Additional Exercise

The last exercise (number 10) calls for each student to pretend he/she is a member of Congress, consider his/her own attitude as well as the attitudes of the people he/she represents and the attitudes of special groups, then to vote on each action proposed to reduce gasoline consumption. A meaningful followup to that exercise would be to have the entire class act as members of Congress, debate the various actions proposed, then vote on them.

Sources of Additional Information

Several books having to do with the gasoline shortage are listed below. The best sources of information in connection with this unit, however, will be current articles and editorials in newspapers and magazines.


DO YOU WANT TO ANSWER QUESTIONS OR SEE RESULTS?
1 = ANSWER QUESTIONS
2 = SEE RESULTS

QUESTION ON THE BASIC ASSUMPTION
THE ENERGY CRISIS IS A SERIOUS PROBLEM.
1 = AGREE, 2 = DISAGREE OR NOT SURE

QUESTIONS ON THE GOAL -- REDUCE DEPENDENCE ON IMPORTED OIL
IN THE DISPUTE BETWEEN ISRAEL AND THE ARABS, WHICH SIDE DO YOU SYMPATHIZE WITH MORE -- ISRAEL OR THE ARABS?
1 = ISRAEL, 2 = ARABS, 3 = NEITHER, 4 = BOTH, 5 = NOT SURE

WE NEED ARAB OIL FOR OUR GASOLINE HERE AT HOME, SO WE HAD BETTER FIND WAYS TO GET ALONG WITH THE ARABS EVEN IF THAT MEANS SUPPORTING ISRAEL LESS.
1 = AGREE, 2 = DISAGREE, 3 = NOT SURE

IF WE YIELD TO ARAB RESTRICTIONS OVER OIL NOW, WE WILL SOON FIND THE ARABS DICTATING MUCH OF OUR FOREIGN POLICY, AND THAT IS WRONG.
1 = AGREE, 2 = DISAGREE, 3 = NOT SURE

DO YOU FAVOR A TAKEOVER AND INTERNATIONALIZATION OF THE ARAB OIL FIELDS BY THE OIL-CONSUMING NATIONS?
1 = YES, 2 = NO, 3 = NOT SURE
DO YOU FAVOR A CUTBACK IN OIL IMPORTS FROM ABROAD, EVEN IF IT MEANS GOING TO AN ODD-EVEN DAY RATIONING OF GASOLINE?
1 = YES, 2 = NO, 3 = YOU SURE.

QUESTIONS ON THE SUBGOAL -- REDUCE CONSUMPTION OF GASOLINE
IF YOU TRAVEL TO WORK, WHAT MEANS DO YOU USE TO GET TO WORK --
CAR, TRAIN, BUS, WALK, OR HOW?
1 = CAR, 2 = BUS, 3 = WALK, 4 = TRAIN, 5 = OTHER.

ASKED ONLY OF THOSE WHO USE A CAR!

SUPPOSE YOU HAD NO AUTOMOBILE, HOW WOULD YOU THEN GET TO WORK --
BY TRAIN, BUS, WALK, OR HOW?
1 = BUS, 2 = WALK, 3 = BICYCLE, 4 = TRAIN, 5 = OTHER.
6 = NOTHING -- COULDN'T GET TO WORK.

SUPPOSE YOU HAD TO REDUCE THE NUMBER OF MILES YOU DRIVE BY ONE-
FOURTH. HOW DIFFICULT WOULD IT BE FOR YOU TO MEET THIS REQUIREMENT --
VERY DIFFICULT, FAIRLY DIFFICULT, OR NOT AT ALL DIFFICULT?
1 = VERY-DIFFICULT, 2 = FAIRLY DIFFICULT, 3 = NOT AT ALL.

QUESTIONS ON THE OPTIONS.

OPTION 1 -- INCREASE THE PRICE OF GASOLINE
BY TARIFFS

IF THE PRICE OF GASOLINE GOES UP 10 CENTS A GALLON, DO YOU BELIEVE YOU WILL CUT DOWN YOUR DRIVING??
1 = YES  2 = NO.

IF YES, WILL YOU CUT DOWN YOUR DRIVING A GREAT DEAL, SOME, OR ONLY A LITTLE??
1 = A GREAT DEAL  2 = SOME  3 = A LITTLE.
ONE WAY TO CUT OIL IMPORTS INTO THIS COUNTRY IS TO INCREASE THE TARIFF OR TAX ON ALL OIL BROUGHT INTO THE UNITED STATES FROM FOREIGN SOURCES. THIS WOULD RAISE GASOLINE PRICES AND DISCOURAGE PEOPLE FROM USING AS MUCH GASOLINE. WOULD YOU FAVOR OR OPPOSE SUCH AN INCREASE IN THE TARIFF OR TAX ON OIL IMPORTED FROM ABROAD ??

1 = FAVOR  2 = OPPOSE  3 = NOT SURE

OPTION 2 -- INCREASE THE PRICE OF GASOLINE

BY A DIRECT (AT THE PUMP) GASOLINE TAX

IN ORDER TO CONSERVE OIL, WOULD YOU FAVOR OR OPPOSE A 10 CENT TAX ON GASOLINE, WHICH WOULD BE DEDUCTIBLE FROM YOUR FEDERAL INCOME TAX, IF THIS WOULD HELP US BECOME LESS DEPENDENT ON ARAB OIL ??

1 = FAVOR  2 = OPPOSE  3 = NOT SURE

OPTION 3 -- REDUCE THE SUPPLY OF GASOLINE BY RATIONING OR ALLOCATION

IN ORDER TO CONSERVE OIL, WOULD YOU HAVE MANDATORY GASOLINE RATIONING ON AN ODD-EVEN BASIS WITH NO INCREASE IN THE PRICE OF GASOLINE, OR NO RATIONING BUT AN 11 CENT-A-GALLON RISE IN THE PRICE OF GASOLINE AND FUEL OIL AS A RESULT OF THE TARIFF ON IMPORTED OIL FROM ABROAD ??

1 = RATIONING  2 = PREFER IMPORTS TAX  3 = NOT SURE

13
PRESIDENT FORD SAYS AMERICA MUST REDUCE ITS USE OF GASOLINE. IN ORDER TO ACCOMPLISH THIS, WHICH WOULD YOU PREFER -- THE PRESIDENTS PLAN TO IMPOSE TAXES THAT WOULD RESULT IN HIGHER GAS PRICES, OR A NATIONWIDE RATIONING PROGRAM??

1 = TAXES  2 = RATIONING

DONE

GET-ATTITUDE
MIN.
ATTITUDE

DO YOU WANT TO ANSWER QUESTIONS OR SEE RESULTS?
1 = ANSWER QUESTIONS
2 = SEE RESULTS

ALL FIGURES ARE PERCENTS

QUESTION ON THE BASIC ASSUMPTION

THE ENERGY CRISIS IS A SERIOUS PROBLEM.

HARRIS, JAN., 1975  HARRIS, JULY, 1974  FILE DATA
AGREE  84  67  75
DISAGREE OR .34 .25
NOT SURE  16
16 PEOPLE HAVE RESPONDED

QUESTIONS ON THE GOAL -- REDUCE DEPENDENCE ON IMPORTED OIL

IN THE DISPUTE BETWEEN ISRAEL AND THE ARABS, WHICH SIDE DO YOU SYMPATHIZE WITH MORE -- ISRAEL OR THE ARABS?

HARRIS, JAN., 1975  HARRIS, NOV., 1973  FILE DATA
ISRAEL  52  39  0
THE ARABS  7  4  0
NEITHER  24  30  100
BOTH  6  16  0
NOT SURE  11  11  0
1 PEOPLE HAVE RESPONDED
WE NEED ARAB OIL FOR OUR GASOLINE HERE AT HOME, SO WE HAD BETTER FIND WAYS TO GET ALONG WITH THE ARABS EVEN IF THAT MEANS SUPPORTING ISRAEL LESS.

HARRIS, JAN., 1975 FILE DATA
AGREE 80 100
DISAGREE 68 0
NOT SURE 12 0
1 PEOPLE HAVE RESPONDED

IF WE YIELD TO ARAB RESTRICTIONS OVER OIL NOW, WE WILL SOON FIND THE ARABS DictATING MUCH OF U.S. FOREIGN POLICY, AND THAT IS WRONG.

HARRIS, JAN., 1975 FILE DATA
AGREE 76 100
DISAGREE 13 0
NOT SURE 11 0
1 PEOPLE HAVE RESPONDED

DO YOU FAVOR A TAKEOVER AND INTERNATIONALIZATION OF THE ARAB OIL FIELDS BY THE OIL-CONSUMING NATIONS?

HARRIS, JAN., 1975 FILE DATA
YES 25 0
NO 58 100
NOT SURE 17 0
1 PEOPLE HAVE RESPONDED

DO YOU FAVOR A CUTBACK IN OIL IMPORTS FROM ABROAD, EVEN IF IT MEANS GOING TO AN ODD-EVEN DAY RATIONING OF GASOLINE?

HARRIS, JAN., 1975 FILE DATA
YES 51 100
NO 34 0
NOT SURE 15 0
1 PEOPLE HAVE RESPONDED

QUESTIONS ON THE SUBGOAL -- REDUCE CONSUMPTION OF GASOLINE.

IF YOU TRAVEL TO WORK, WHAT MEANS DO YOU USE TO GET TO WORK -- CAR, TRAIN, BUS, WALK, OR HOW?

GALLUP, JAN., 1975 FILE DATA
CAR 74 100
BUS 7 0
WALK 5 0
TRAIN 2 0
OTHER 12 0
1 PEOPLE HAVE RESPONDED

ASKED ONLY OF THOSE WHO USE A CAR:

SUPPOSE YOU HAD NO AUTOMOBILE, HOW WOULD YOU THEN GET TO WORK -- BY TRAIN, BUS, WALK, OR HOW?

GALLUP, JAN., 1975 FILE DATA
BUS 26 0
WALK 25 0
BIKE 9 0
TRAIN 2 0
OTHER 5 100
NOTHING 83 0
1 PEOPLE HAVE RESPONDED
SUPPOSE YOU HAD TO REDUCE THE NUMBER OF MILES YOU DRIVE BY ONE-FOURTH. HOW DIFFICULT WOULD IT BE FOR YOU TO MEET THIS REQUIREMENT?

VERY DIFFICULT, FAIRLY DIFFICULT, OR NOT AT ALL DIFFICULT?

<table>
<thead>
<tr>
<th></th>
<th>Very Difficult</th>
<th>Fairly Difficult</th>
<th>Not at All</th>
<th>Not Sure</th>
</tr>
</thead>
<tbody>
<tr>
<td>Responses</td>
<td>31</td>
<td>23</td>
<td>40</td>
<td>6</td>
</tr>
</tbody>
</table>

1 PEOPLE HAVE RESPONDED

QUESTIONS ON THE OPTIONS

OPTION 1 - INCREASE THE PRICE OF GASOLINE

BY TARIFFS

If the price of gasoline goes up 10 cents a gallon, do you believe you will cut down your driving?

<table>
<thead>
<tr>
<th></th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Responses</td>
<td>49</td>
<td>48</td>
</tr>
</tbody>
</table>

1 PEOPLE HAVE RESPONDED

If yes, will you cut down your driving a great deal, some, or only a little?

<table>
<thead>
<tr>
<th></th>
<th>A Great Deal</th>
<th>Some</th>
<th>A Little</th>
</tr>
</thead>
<tbody>
<tr>
<td>Responses</td>
<td>11</td>
<td>26</td>
<td>11</td>
</tr>
</tbody>
</table>

1 PEOPLE HAVE RESPONDED

One way to cut oil imports into this country is to increase the tariff, or tax, on all oil brought into the United States from foreign sources. This would raise gasoline prices and discourage people from using as much gasoline. Would you favor or oppose such an increase in the tariff, or tax, on oil imported from abroad?

<table>
<thead>
<tr>
<th></th>
<th>Favor</th>
<th>Oppose</th>
<th>Not Sure</th>
</tr>
</thead>
<tbody>
<tr>
<td>Responses</td>
<td>27</td>
<td>53</td>
<td>20</td>
</tr>
</tbody>
</table>

1 PEOPLE HAVE RESPONDED
OPTION 2 -- INCREASE THE PRICE OF GASOLINE
BY A DIRECT (AT THE PUMP) GASOLINE TAX

IN ORDER TO CONSERVE OIL, WOULD YOU FAVOR OR OPPOSE
A 10 CENT TAX ON GASOLINE, WHICH WOULD BE DEDUCTIBLE
FROM YOUR FEDERAL INCOME TAX, IF THIS WOULD HELP US
BECOME LESS DEPENDENT ON ARAB OIL??

HARRIS, JAN., 1975  FILE DATA
FAVOR  51    0
OPPOSE  24    0
NOT SURE  25  100
1 PEOPLe HAVE RESPONDED

IN ORDER TO CONSERVE OIL, WOULD YOU PREFER A
10-CENT-A-GALLON 'INCREASE IN THE GASOLINE TAX, WHICH
WOULD BE DEDUCTIBLE FROM YOUR FEDERAL INCOME TAX, OR AN
11-CENT-A-GALLON RISE IN THE COST OF GASOLINE AND FUEL OIL
AS A RESULT OR THE TARIFF ON IMPORTED OIL FROM ABROAD??

HARRIS, JAN., 1975  FILE DATA
PREFER 10-CENT TAX  60  100
PREFER IMPORT TAX  13    0
NOT SURE  27    0
1 PEOPLE HAVE RESPONDED

IN ORDER TO CONSERVE OIL, WOULD YOU PREFER A
20-CENT-A-GALLON INCREASE IN THE GASOLINE TAX, WHICH WOULD
BE DEDUCTIBLE FROM YOUR FEDERAL INCOME TAX, OR AN 11-CENT-A-GALLON
RISE IN THE COST OF GASOLINE AND FUEL OIL AS A RESULT
OF THE TARIFF ON IMPORTED OIL FROM ABROAD??

HARRIS, JAN., 1975  FILE DATA
PREFER 20-CENT TAX  38  100
PREFER IMPORT TAX  29    0
NOT SURF  33    0
1 PEOPLE HAVE RESPONDED
OPTION 3 -- REDUCE THE SUPPLY OF GASOLINE BY RATIONING OR ALLOCATION

IN ORDER TO CONSERVE OIL, WOULD YOU HAVE MANDATORY GASOLINE RATIONING ON AN ODD-EVEN BASIS WITH NO INCREASE IN THE PRICE OF GASOLINE, OR NO RATIONING BUT AN 11-CENT-A-GALLON RISE IN THE PRICE OF GASOLINE AND FUEL OIL AS A RESULT OF THE TARIFF ON IMPORTED OIL FROM ABROAD??

HARRIS, JAN., 1975 FILE DATA
RATIONING 60 100
PREFER IMPORTS TAX 25 0
NOT SURE 15 0
1 PEOPLE HAVE RESPONDED

PRESIDENT FORD SAYS AMERICA MUST REDUCE ITS USE OF GASOLINE. IN ORDER TO ACCOMPLISH THIS, WHICH WOULD YOU PREFER -- THE PRESIDENT'S PLAN TO IMPOSE TAXES THAT WOULD RESULT IN HIGHER GAS PRICES, OR A NATIONWIDE RATIONING PROGRAM??

GALLUP, JAN., 1975 FILE DATA
TAXES 32 0
RATIONING 55 100
1 PEOPLE HAVE RESPONDED

DONE
ATITUD Program Listing

10 Dim G$(72), E(7), D(17), F(6)
20 Dim A[551]
30 Files ATITD
40 For N = 1 To 17
50 Read E[N]
60 Next N
70 Read #1, 1
80 If Typ(1) = 1 Then 120
90 If End #1 Then 120
100 Print #1, 0
110 Go To 90
120 Read #1, 1
130 Print "DO YOU WANT TO ANSWER QUESTIONS OR SEE RESULTS?"
140 Print "1 = ANSWER QUESTIONS"
150 Print "2 = SEE RESULTS"
160 Input Q:
170 If Q = 1 Or Q = 2 Then 200
180 Print "YOU MUST ENTER 1 OR 2"
190 Go To 130
200 If Q = 1 Then 220
210 G = 0
220 Rem Question on assumption
230 Print
240 If Q = 1 Then 270
250 Print "ALL FIGURES ARE PERCENTS"
260 Print
270 Print "QUESTION ON THE BASIC ASSUMPTION"
280 Print
290 N = 1
300 Print "THE ENERGY CRISIS IS A SERIOUS PROBLEM."
310 If Q = 0 Then 360
320 Print "1 = AGREE, 2 = DISAGREE OR NOT SURE"
330 Input R
340 If R < 1 Or R > 2 Then 330
350 If Q = 1 Then 380
360 H = 2
370 Go To 400
380 H = 0
390 Read #1, 1
400 GoSub H OF 3580, 3710
410 Print
420 If Q = 1 Then 480
430 Print TAB(8); "HARRIS, JAN., 1975"; TAB(48); "FILE 1"
440 Print "AGREE", "84", "67", TAB(52), F(1)
450 Print "DISAGREE OR", "16", "34", TAB(52), F(2)
460 Print "NOT SURE"
470 Print "PEOPLE HAVE RESPONDED"
480 Print
490 Rem Questions on the goal
500 N = 2
510 G$ = "HARRIS"
520 Print "QUESTIONS ON THE GOAL -- REDUCE DEPENDENCE ON IMPORTED OIL"
530 Print
540 Print "IN THE DISPUTE BETWEEN ISRAEL AND THE ARABS, WHICH SIDE DO YO
PRINT "SYMPATHIZE WITH MORE -- ISRAEL OR THE ARABS?"
IF Q=0 THEN 600
PRINT "1 = ISRAEL, 2 = ARABS, 3 = NEITHER, 4 = BOTH, 5 = NOT SURE"
INPUT R
IF R<1 OR R>5 THEN 580
GOSUB H OF 3580,3710
IF Q=1 THEN 690
PRINT TAB(6),"HARRIS, JAN 1975 HARRIS, NOV 1973";TAB(48);"FILEFL";
PRINT "ISRAEL","52"","39";TAB(52);"FILEFL";
PRINT "THE ARABS","7"","1";TAB(52);"FILEFL";
PRINT "NEITHER","24"","16";TAB(52);"FILEFL";
PRINT "BOTH","6"","1";TAB(52);"FILEFL";
PRINT "NOT SURE","11"","11";TAB(52);"FILEFL";
PRINT T;"PEOPLE HAVE RESPONDED"
PRINT N=3
PRINT "WE NEED ARAB OIL FOR OUR GASOLINE HERE AT HOME, SO WE HAD BEG
PRINT "FIND WAYS TO GET ALONG WITH THE ARABS EVEN IF THAT MEANS SUP
PRINT "ISRAEL LESS."
IF Q=0 THEN 770
GOTO 3500
GOSUB 3500
GOTO 780
GOSUB 3550
GOSUB H OF 3580,3710
IF Q=1 THEN 840
PRINT "AGREE","20"",F(1)
PRINT "DISAGREE","68"",F(2)
PRINT "NOT SURE","12"",F(3)
PRINT T;"PEOPLE HAVE RESPONDED"
PRINT N=4
PRINT "IF WE YIELD TO ARAB RESTRICTIONS OVER OIL VOW, WE WILL SOON D
PRINT "THE ARABS, Dictating Much Of U.S. FOREIGN POLICY, AND THAT IS W
IF Q=0 THEN 910
GOSUB 3500
GOTO 920
GOSUB 3550
GOSUB H OF 3580,3710
IF Q=1 THEN 980
PRINT "DO YOU FAVOR A TAKEOVER AND INTERNATIONALIZATION OF THE ARAB
PRINT "FIELDS BY THE OIL-CONSUMING NATIONS?"
IF Q=0 THEN 1060
PRINT "1 = YES; 2 = NO, 3 = NOT SURE"
GOSUB 3500
GOTO 1070
GOSUB 3550
GOSUB H OF 3580,3710
IF Q=1 THEN 1130
DO YOU FAVOR A CUTBACK IN OIL IMPORTS FROM ABROAD, EVEN IF
GOING TO AN ODD-EVEN DAY RATIONING OF GASOLINE?

IF Q = 0 THEN 1210

PRINT "1 = YES, 2 = NO, 3 = NOT SURE."

GOSUB 3520
GOTO 1220
GOSUB 3550
GOSUB H OF 3580, 3710
IF Q = 1 THEN 1260
PRINT "YES", "5", F[1]
PRINT "NO", "3", F[2]
PRINT "NOT SURE", "15", F[3]
PRINT T; "PEOPLE HAVE RESPONDED"

REM QUESTIONS ON THE SUBGOAL
G$="GALLUP"
PRINT " QUESTIONS ON THE SUBGOAL -- REDUCE CONSUMPTION OF GASOLINE"
REM
N=7
PRINT "IF YOU TRAVEL TO WORK, WHAT MEANS DO YOU USE TO GET TO WORK?
PRINT "CAR, TRAIN, BUS, WALK, OR HOW?"
IF Q = 0 THEN 1420
PRINT "1 = CAR, 2 = BUS, 3 = WALK, 4 = TRAIN, 5 = OTHER."
INPUT R
IF R < 1 OR R > 5 THEN 1390
IF Q = 1 THEN 1430
GOSUB 3550
GOSUB H OF 3580, 3710
IF Q = 1 THEN 1510
PRINT "ASKED ONLY OF THOSE WHO USE A CAR:"
PRINT "BY TRAIN, BUS, WALK, OR HOW?"
IF Q = 0 THEN 1680
IF R > 1 THEN 1790
PRINT "1 = BUS, 2 = WALK, 3 = BICYCLE, 4 = TRAIN, 5 = OTHER,"
PRINT T; "PEOPLE HAVE RESPONDED"
PRINT
N=8
IF Q = 0 THEN 1550
IF R > 1 THEN 1590
PRINT "ASKED ONLY OF THOSE WHO USE A CAR:"
PRINT "SUPPOSE YOU HAD NO AUTOMOBILE; HOW WOULD YOU THEN GET TO WORK?
PRINT "BY TRAIN, BUS, WALK, OR HOW?"
IF Q = 0 THEN 1680
IF R > 1 THEN 1790
PRINT "1 = BUS, 2 = WALK, 3 = BICYCLE, 4 = TRAIN, 5 = OTHER,"
1630 PRINT TAB(3);
1640 PRINT "K = NOTHING -- COULDN'T GET TO WORK."
1650 INPUT R
1660 IF R<1 OR R>5 THEN 1690
1670 IF G=1 THEN 1690
1680 GOSUB 3550
1690 GOSUB H OF 3580,3710
1700 IF G=1 THEN 1780
1710 PRINT "BUS";" 26",F[1]
1720 PRINT "WALK";" 25",F[2]
1730 PRINT "BIKE";" 9",F[3]
1740 PRINT "TRAIN";" 2",F[4]
1750 PRINT "OTHER";" 5",F[5]
1760 PRINT "NOTHING";" 33",F[6]
1770 PRINT T;"PEOPLE HAVE RESPONDED"
1780 PRINT
1790 N=9
1800 PRINT "SUPPOSE YOU HAD TO REDUCE THE NUMBER OF MILES YOU DRIVE BY 2
1810 PRINT "FOURTH. HOW DIFFICULT WOULD IT BE FOR YOU TO MEET THIS REC
1820 PRINT "VERY DIFFICULT, FAIRLY DIFFICULT, OR NOT AT ALL DIFFICULT?"
1830 IF G=0 THEN 1900
1840 PRINT TAB(3);
1850 PRINT "1 = VERY DIFFICULT, 2 = FAIRLY DIFFICULT, 3 = NOT AT ALL."
1860 PRINT TAB(3);
1870 INPUT R
1880 IF R<1 OR R>4 THEN 1870
1890 IF G=1 THEN 1910
1900 GOSUB 3550
1910 GOSUB H OF 3580,3710
1920 IF G=1 THEN 1980
1930 PRINT "VERY DIFFICULT";" 31",F[1]
1940 PRINT "FAIRLY ";" 23",F[2]
1950 PRINT "NOT AT ALL";" 40",F[3]
1960 PRINT "NOT SURE";" 6",F[4]
1970 PRINT T;"PEOPLE HAVE RESPONDED"
1980 PRINT
1990 PRINT "QUESTIONS ON THE OPTIONS"
2000 PRINT
2010 PRINT "OPTION 1 -- INCREASE THE PRICE OF GASOLINE"
2020 PRINT ...
2030 PRINT
2040 N=10
2050 PRINT "IF THE PRICE OF GASOLINE GOES UP 10 CENTS A GALLON,"
2060 PRINT "DO YOU BELIEVE YOU WILL CUT DOWN YOUR DRIVING??"
2070 IF G=0 THEN 2110
2080 PRINT "1 = YES 2 = NO"
2090 INPUT R
2100 IF R<1 OR R>2 THEN 2080
2110 REM
2120 GOSUB H OF 3580,3710
2130 IF G=1 THEN 2180
2140 PRINT LIN(2)TAB(8);"GALLUP JAN., 1975 FILE DATA"
2150 PRINT "YES";" 49";TAB(33);F[1]
2160 PRINT "NO";" 48";TAB(33);F[2]
2170 PRINT T;"PEOPLE HAVE RESPONDED"
2180 PRINT
2190 N=11
2200 IF Q=0 THEN 2220
2210 IF R>1 THEN 2360
2220 PRINT "IF YES, WILL YOU CUT DOWN YOUR DRIVING A GREAT DEAL?"
2230 PRINT "SOME, OR ONLY A LITTLE??"
2240 IF Q=0 THEN 2280
2250 PRINT "1 = A GREAT DEAL, 2 = SOME, 3 = A LITTLE"
2260 INPUT R
2270 IF R<1 OR R>3 THEN 2250
2280 PRINT
2290 GO SUB H OF 3580,3710
2300 IF Q=1 THEN 2360
2310 PRINT TAB(10);"GALLUP, JAN., 1975 FILE DATA"
2320 PRINT "A GREAT DEAL, 1"
2330 PRINT "SOME, 2"
2340 PRINT "A LITTLE, 3"
2350 PRINT T;"PEOPLE HAVE RESPONDED"
2360 N=12
2370 PRINT LIN(2);"ONE WAY TO CUT OIL IMPORTS INTO THIS COUNTRY"
2380 PRINT "IS TO INCREASE THE TARIFF, OR TAX, ON ALL OIL BROUGHT"
2390 PRINT "INTO THE UNITED STATES FROM FOREIGN SOURCES. THIS WOULD"n2400 PRINT "RAISE GASOLINE PRICES AND DISCOURAGE PEOPLE FROM USING"
2410 PRINT "AS MUCH GASOLINE. WOULD YOU FAVOR OR OPPOSE SUCH AN"
2420 PRINT "INCREASE IN THE TARIFF, OR TAX, ON OIL IMPORTED FROM ABROAD?"
2430 IF Q=0 THEN 2470
2440 PRINT "1 = FAVOR, 2 = OPPOSE, 3 = NOT SURE"
2450 INPUT R
2460 IF R<1 OR R>3 THEN 2440
2470 REM
2480 GO SUB H OF 3580,3710
2490 IF Q=1 THEN 2550
2500 PRINT LIN(1);TAB(10);"HARRIS, JAN., 1975 FILE DATA"
2510 PRINT "FAVOR, 1"
2520 PRINT "OPPOSE, 2"
2530 PRINT "NOT SURE, 3"
2540 PRINT T;"PEOPLE HAVE RESPONDED"
2550 PRINT LIN(2);"OPTION 2 -- INCREASE THE PRICE OF GASOLINE"
2560 PRINT "BY A DIRECT (AT THE PUMP) GASOLINE TAx"
2570 N=13
2580 PRINT LIN(2);"IN ORDER TO CONSERVE OIL, WOULD YOU FAVOR OR OPPOSE"
2590 PRINT "A 10 CENT TAX ON GASOLINE, WHICH WOULD BE DEDUCTIBLE"
2600 PRINT "FROM YOUR FEDERAL INCOME TAX, IF THIS WOULD HELP US?"
2610 PRINT "BECOME LESS DEPENDENT ON ARAB OIL?"
2620 IF Q=0 THEN 2660
2630 PRINT "1 = FAVOR, 2 = OPPOSE, 3 = NOT SURE"
2640 INPUT R
2650 IF R<1 OR R>3 THEN 2630
2660 REM
2670 GO SUB H OF 3580,3710
2680 IF Q=1 THEN 2740
2690 PRINT LIN(2);TAB(10);"HARRIS, JAN., 1975 FILE DATA"
2700 PRINT "FAVOR, 1"
2710 PRINT "SOME, 2"
2720 PRINT "A LITTLE, 3"
PRINT "IPPO SE"; TAB(20); "PA"; TAB(14); EC"

PRINT 'NOT SURE"; TAB(20); "25"; TAB(34)

PRINT "PEOPLE HAVE RESPONDED"

PRINT "IN ORDER TO CONSERVE OIL, WOULD YOU PREFER A HOTE CENT-A-GALLON INCREASE IN THE GASOLINE TAX, WHICH WOULD BE DEDUCTIBLE FROM YOUR FEDERAL INCOME TAX, OR AN 11-CENT-A-GALLON RISE IN THE COST OF GASOLINE AND FUEL OIL AS A RESULT OF THE TARIFF ON IMPORTED OIL FROM ABROAD?"

IF Q=0 THEN 2850

PRINT "1 = PREFER 10-CENT TAX 2 = PREFER IMPORT TAX 3 = NOT SURE"

INPUT R

IF R<1 OR R>3 THEN 2820

REM

GOSUB H OF 3580,3710

IF Q=1 THEN 2930

PRINT LIN(2);TAB(10);"HARRIS, JAN., 1975 FILE DATA"

PRINT "PREFER 10-CENT TAX 13";TAB(34);F(1)

PRINT "PREFER IMPORT TAX 27";TAB(34);F(3)

PRINT "NOT SURE 22";TAB(34);F(1)

PRINT "PEOPLE HAVE RESPONDED"

PRINT "IN ORDER TO CONSERVE OIL, WOULD YOU PREFER A 20-CENT-A-GALLON INCREASE IN THE GASOLINE TAX, WHICH WOULD BE DEDUCTIBLE FROM YOUR FEDERAL INCOME TAX, OR AN 11-CENT-A-GALLON RISE IN THE COST OF GASOLINE AND FUEL OIL AS A RESULT OF THE TARIFF ON IMPORTED OIL FROM ABROAD?"

IF Q=0 THEN 3030

PRINT "1 = PREFER 20-CENT TAX 2 = PREFER IMPORT TAX 3 = NOT SURE"

INPUT R

IF R<1 OR R>3 THEN 3000

REM

GOSUB H OF 3580,3710

IF Q=1 THEN 3110

PRINT LIN(2);TAB(10);"HARRIS, JAN., 1975 FILE DATA"

PRINT "PREFER 20-CENT TAX 29";TAB(34);F(1)

PRINT "PREFER IMPORT TAX 33";TAB(34);F(3)

PRINT "NOT SURE 28";TAB(34);F(1)

PRINT "PEOPLE HAVE RESPONDED"

PRINT "OPTION 3 -- REDUCE THE SUPPLY OF GASOLINE BY RATIONING OR ALLOCATION"

PRINT "  RATIONING OR ALLOCATION"

PRINT "IN ORDER TO CONSERVE OIL, WOULD YOU HAVE MANDATORY GASOLINE RATIONING ON AN ODD-EVEN BASIS WITH NO INCREASE IN THE PRICE OF GASOLINE, OR NO RATIONING BUT AN 11-CENT-A-GALLON RISE IN THE PRICE OF GASOLINE AND FUEL OIL AS A RESULT OF THE TARIFF ON IMPORTED OIL FROM ABROAD?"

IF Q=0 THEN 3230

PRINT "1 = RATIONING 2 = PREFER IMPORTS TAX 3 = NOT SURE"

INPUT R

IF R<1 OR R>3 THEN 3200

REM

GOSUB H OF 3580,3710
3260 PRINT L1N(2),TAB(10);"HARRIS, JAN., 1975 FILE DATA"
3270 PRINT "PRINTING"TAB(20);"60";TAB(34);F(J)
3280 PRINT "PREFER IMPORTS"TAB(20);"25";TAB(34);F[2]
3290 PRINT "NOT SURE"TAB(20);"15";TAB(34);F[3]
3300 PRINT T;"PEOPLE HAVE RESPONDED"
3310 N=17
3320 PRINT L1N(3);"PRESIDENT FORD SAYS AMERICA MUST REDUCE ITS"
3330 PRINT "USE OF GASOLINE. IN ORDER TO ACCOMPLISH THIS, WHICH"
3340 PRINT "WOULD YOU PREFER -- THE PRESIDENTS PLAN TO IMPOSE TAXES"
3350 PRINT "THAT WOULD RESULT IN HIGHER GAS PRICES, OR A NATIONWIDE"
3360 PRINT "RATIONING PROGRAM?"
3370 IF Q=0 THEN 3410
3380 PRINT "1 = TAXES 2 = RATIONING"
3390 INPUT R
3400 IF R<1 OR R>2 THEN 3380
3410 REM
3420 G0S UB H OF 3580;3710
3430 IF Q=1 THEN 3480
3440 PRINT L1N(2),TAB(10);"GALLUP, JAN., 1975 FILE DATA"
3450 PRINT "TAXES"TAB(20);"32";TAB(34);F(1)
3460 PRINT "RATIONING"TAB(20);"55";TAB(34);F[2]
3470 PRINT T;"PEOPLE HAVE RESPONDED"
3480 REM
3490 GOTO 3830
3500 REM PRINT SUBROUTINE
3510 PRINT "1 = AGREE, 2 = DISAGREE, 3 = NOT SURF"
3520 INPUT R
3530 IF R<1 OR R>3 THEN 3520
3540 IF Q=1 THEN 3460
3550 PRINT TAB(8),"",JAN., 1975", FILE DATA"
3560 RETURN
3570 REM SUBROUTINE FOR RECORDING ANSWERS
3580 READ #1, A
3590 MAT READ #1;A
3600 K=0
3610 IF N=1 THEN 3660
3620 M=N-1
3630 FOR V=1 TO M
3640 K=K+E[N]
3650 NEXT N
3660 K=K+H
3670 ACK=AK+1
3680 READ #1; A
3690 MAT PRINT #1; A
3700 RETURN
3710 REM SUBROUTINE FOR REtrieving Answers
3720 T=0
3730 FOR I=1 TO ENI)
3740 READ #1; B[I]
3750 T=T+F[I]
3760 NEXT I
3770 IF T=0 THEN 3810
3780 FOR I=1 TO ENI)
3790 F[I]=INT(F[I]/T*100+5)
3800 NEXT I
3810 RETURN
3820 DATA 2,5,3,3,3,3,5,6,3,2,3,3,3,3,3,3,3,3,2
3830 END