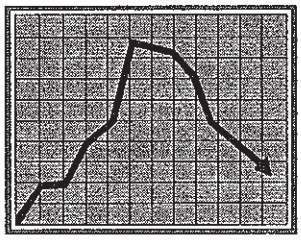


TOPIC: Math
GRADE LEVEL: Secondary
TIME: One Class Period

BASIC MATH COMPUTATION SKILLS
(Reading and Interpreting Graphs)

OBJECTIVE: The student will read and interpret circle and linear graphs, and record data on a bar graph and a linear graph.

MATERIALS NEEDED:

1. One copy of Student Activity Sheets 1 and 2 for each student and/or one overhead transparency of each Student Activity Sheet to be used on an overhead projector.

2. One sheet of graph paper for each student (plain paper can be used if necessary).

3. Teacher Answer Keys 1 and 2.

PROCEDURE:

1. Pass out Student Activity Sheets to each student, if being used.

2. Discuss the specific data that each graph on the Student Activity Sheet 1 is showing.

3. As a class, answer questions 1 and 4 - being sure students understand how to interpret information on each map.

4. Assign students to answer questions 2, 3, 5, and 6 on their own.

5. Correct activity sheet in class before continuing with Student Activity 2.

6. Discuss how to interpret and record information on a vertical and horizontal bar graph by making examples on the chalkboard or overhead projector.

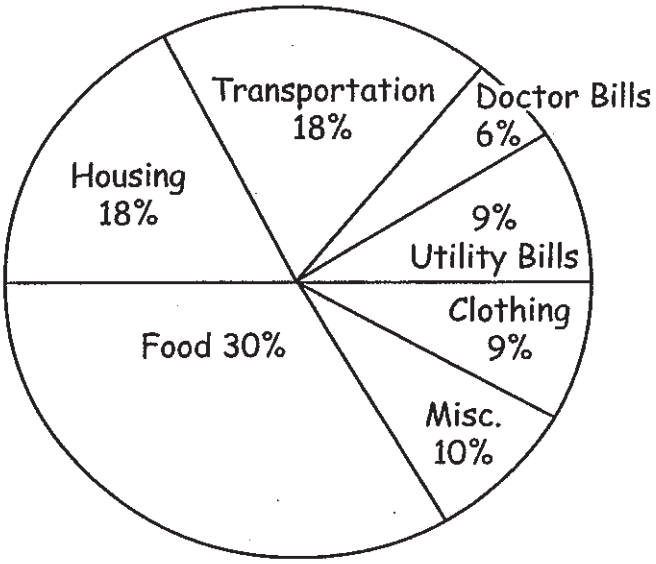
7. Assign each student to complete Student Activity Sheet 2 on a piece of graph paper or plain paper (if necessary).

8. Collect completed assignments at end of period for teacher evaluation and/or correct in class, if students are capable and time permits.

STUDENT ACTIVITY SHEET#1

Reading and Interpreting Graphs

Refer to circle graph and family annual income of $20,000 for a family of four:



1. How much is spent on food? _____

2. How much more is spent for food than housing? _____

3. How much is spent on each individual for clothing? _____

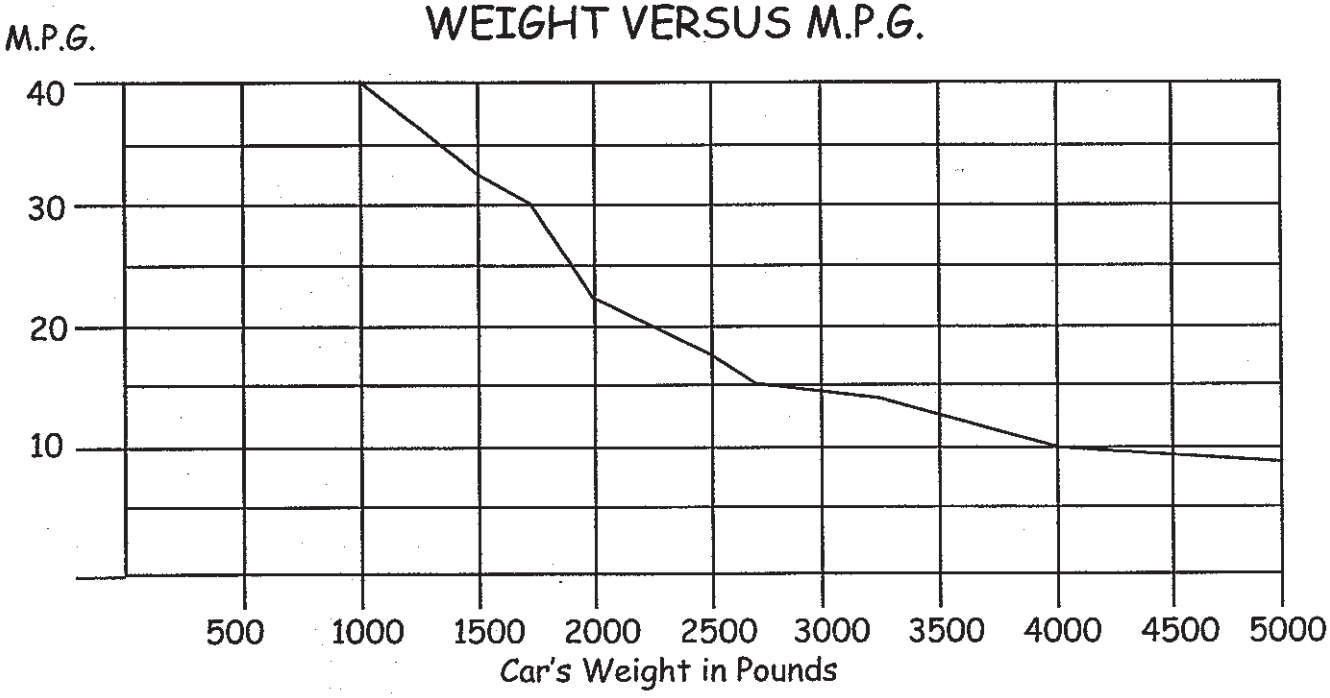
FAMILY BUDGET

Refer to Broken Line Graph:

4. What is the weight of the car that gets 20 miles per gallon? _____

5. How many more mpg will you get on a car weighing 1000 lbs. compared to a car weighing 4000 lbs.? _____

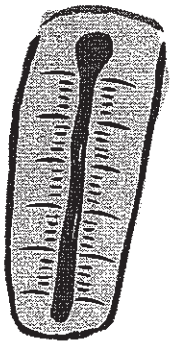
6. What is given on the vertical portion of the graph? _____



Reading and Interpreting Graphs

1. Organize the data and make both a vertical and horizontal bar graph showing maximum temperatures for the month of June 1981 in Salt Lake City, Utah.

1 June	72°
5 June	81°
10 June	88°
15 June	96°
20 June	101°
25 June	98°
30 June	92°

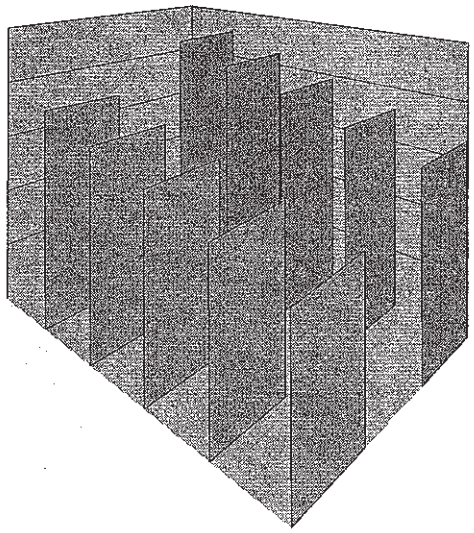


2. Organize data and make a broken line graph for Don's scores on 10 weekly math tests.

Test 1	92
Test 2	82
Test 3	70
Test 4	88
Test 5	95
Test 6	100
Test 7	94
Test 8	60
Test 9	84
Test 10	60

Reading and Interpreting Graphs

1. $6,000.00
2. $2,400.00
3. $450.00
4. 2300 lbs., approx.
5. 30 m.p.g.
6. m.p.g.



Reading and Interpreting Graphs