

Seventies Math

Many events of the seventies can be thought of as math problems, as seen in the samples below. To use this page with your class, make enough copies so that every pair of students will get one problem. Cut apart the rectangles and pass them out, one to each pair of students. Allow enough time for them to find a solution. In whole group, share the problems and discuss methods used to find answers.

1. In 1972 New York's World Trade Center became the tallest building in the world at 1,350 feet (412 m). Its twin towers rose 110 stories high. On average, how tall is each story? _____

2. Due to the oil embargo in 1973 gasoline prices doubled. If gas was 30 cents per gallon in the sixties, what was its price in 1973? _____

3. Patty Hearst's captors demanded a ransom of \$70 worth of food for each needy Californian. The Hearst family responded with a \$2 million food giveaway. How many persons were helped? _____

4. Mopeds were introduced in 1974. By 1977, 250,000 Americans had purchased mopeds. What is the average number of mopeds purchased each year during that period? _____

5. Five million American people bought pet rocks in 1975. Each rock cost \$5. Altogether, how much did Americans spend on pet rocks? _____

6. In 1975, 350 Transcendental Meditation centers nationwide served 600,000 people. What was the average number of people served by each center? _____

7. During the 1976 Winter Olympics, the American speed skaters won six medals. There are eight events, each with three medals. Find the percentage of total possible medals received by Americans. _____

8. In 1975, 25 million people bought mood rings while five million people bought pet rocks. What percentage of the total purchases were made by people buying mood rings? _____

9. Carole King's album *Tapestry* sold 13 million copies in 10 months. At that rate, how long would it take her to sell 39 million copies? _____

10. The World Trade Center was the world's tallest building at 1,350 feet (412 m) until it was surpassed by the Sears Tower at 1,454 feet (443 m). What is the difference in height between the two buildings? _____

11. Montreal budgeted \$310 million for the 1972 Summer Olympics held there. The actual cost was \$1.5 billion. What is the difference between the budgeted and actual costs? _____

12. From 1954 to 1976 Hank Aaron hit an average of about 34 home runs per year. About how many home runs did he hit during his career? _____

CHAPTER
30

CONNECTIONS

ARTS

SCIENCES

GEOGRAPHY

WORLD

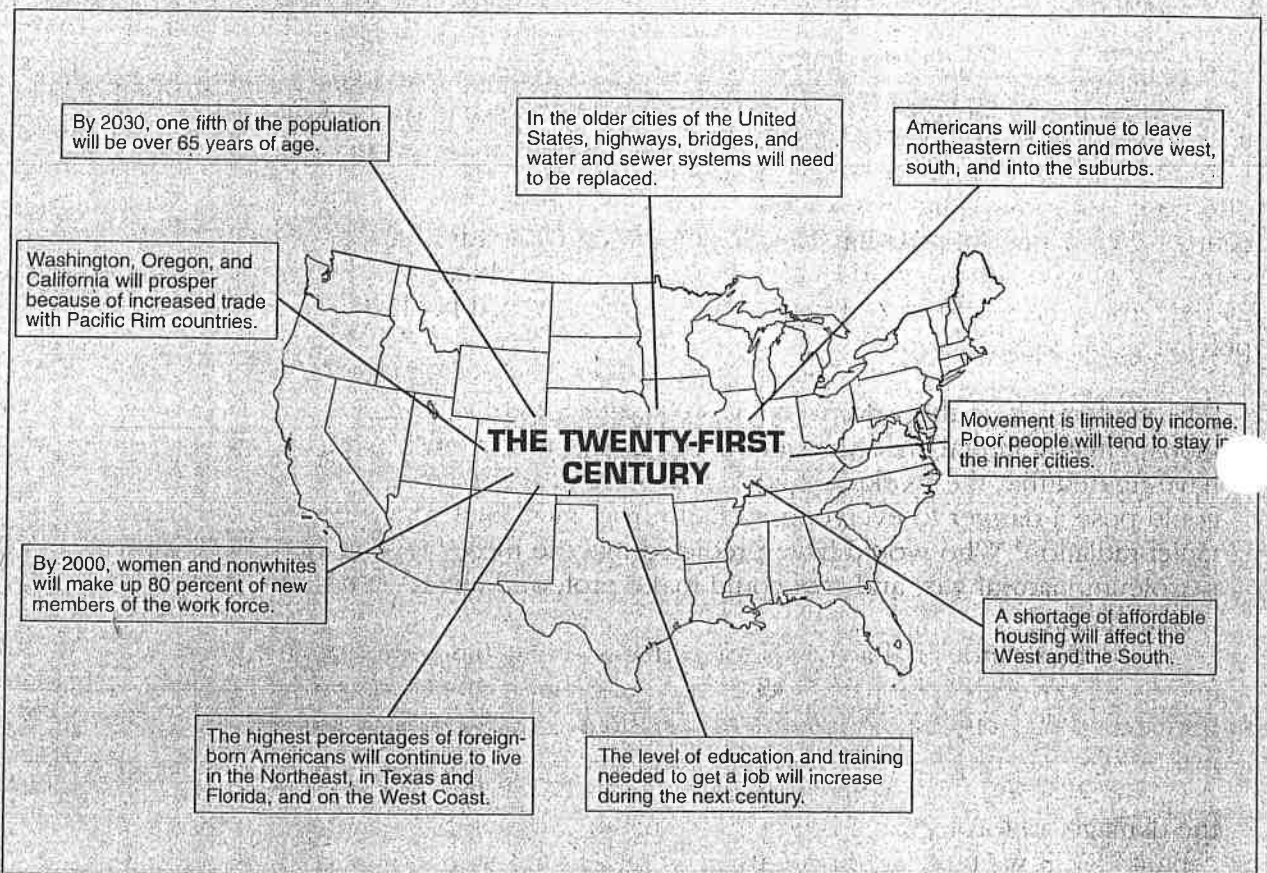
ECONOMICS

CIVICS

Main Idea: **PEOPLE FACE THE FUTURE**

Demographics

Demographers use statistics to study populations. They look for changes and try to understand trends. The map captions describe some of the predictions made by demographers about the American population in the next century.



1. Why will California prosper in the 20th century?
2. What group will stay in the inner cities?
3. List 2 problems the older cities will have in the 20th century?
4. What geographic area will loose population?
5. By 2000 what groups will make up 80% of the new workforce?
6. How many people will be over 65 by 2030 (projected 2030 population 390,000,000)?