	Sixty-eight people are sitting in 20 cars and each car contains at most 4 people. What is the maximum possible number of cars that could contain exactly 1 of the 68 people?			
1	00000	2 3 4 8 12		
@C	1			
If n is any prime number greater than 2, which of the following CANNOT be a prime number?				
	 ○ n - 4 ○ n - 3 ○ n - 1 ○ n + 2 ○ n + 5 			
2 @E				
In 1988 Mr. Smith's annual income was greater than Mrs. Smith's annual income. In 1989 Mr. Smith's annual income decreased by ρ percent, whereas Mrs. Smith's annual income increased by ρ percent. ($\rho > 0$)				
	Column A	<u>Column B</u>		
3	Column A Mr. and Mrs. Smith's combined annual income in 1988	Column B Mr. and Mrs. Smith's combined annual income in 1989		
3 @A	Mr. and Mrs. Smith's combined annual income in 1988	Mr. and Mrs. Smith's combined annual income		
	Mr. and Mrs. Smith's combined annual income in 1988	Mr. and Mrs. Smith's combined annual income in 1989 en 101 and 201 are equal		
	Mr. and Mrs. Smith's combined annual income in 1988 How many integers betwe to the square of some inte T T F F F F	Mr. and Mrs. Smith's combined annual income in 1989 een 101 and 201 are equal eger? wo hree our		
@A	Mr. and Mrs. Smith's combined annual income in 1988 How many integers betwe to the square of some inte Ti Ti Ti Ti Ti Ti	Mr. and Mrs. Smith's combined annual income in 1989 een 101 and 201 are equal eger? wo hree our		
@A	Mr. and Mrs. Smith's combined annual income in 1988 How many integers betwe to the square of some inte To To Fi Fi Fi S	Mr. and Mrs. Smith's combined annual income in 1989 een 101 and 201 are equal eger? wo hree our ve ix		
@ A 4 @ C T	Mr. and Mrs. Smith's combined annual income in 1988 How many integers between to the square of some integers of Fice States of States o	Mr. and Mrs. Smith's combined annual income in 1989 een 101 and 201 are equal eger? wo hree our ve ix was 12 ½ dollars per share.		
@ A 4 @ C T	Mr. and Mrs. Smith's combined annual income in 1988 How many integers between to the square of some integers of Fice States of States o	Mr. and Mrs. Smith's combined annual income in 1989 een 101 and 201 are equal eger? wo hree our ve ix		
@ A 4 @ C T	Mr. and Mrs. Smith's combined annual income in 1988 How many integers between to the square of some integers of Fice States of States o	Mr. and Mrs. Smith's combined annual income in 1989 een 101 and 201 are equal eger? wo hree our ve ix was 12 ½ dollars per share.		
@ A 4 @ C T	Mr. and Mrs. Smith's combined annual income in 1988 How many integers between to the square of some integers of the square of some integers. The square of some integers of the price of a certain stock the price increased x percentage.	Mr. and Mrs. Smith's combined annual income in 1989 een 101 and 201 are equal eger? wo hree our ve ix was 12 ½ dollars per share. ent to 15 $\frac{5}{8}$ dollars per share.		

The "reflection" of a positive integer is obtained by reversing its digits. For example, 321 is the reflection of 123. The difference between a five-digit integer and its reflection must be divisible by which of the following?

00000

6

@E

Column A	<u>Column B</u>
1 1 - 0.03 7	1.03

@A

The original value of machine X is V dollars, while the original value of machine Y is 2V dollars. Both machines depreciate in value at a constant rate of 10 percent of their original value per year.

Column A Column B

The value of machine X after 3 years

The value of machine Y after 6 years

O

@B

If n is an odd integer, which of the following is the square of the next larger odd integer?

9

@D

If 55 percent of a group of people have brown hair and 80 percent of the same group do <u>not</u> have red hair, what fraction of those who do <u>not</u> have brown hair have red hair?

10

@C

$$n = \frac{\mathcal{K} + \frac{r}{s}}{\frac{t}{v}}$$

In the equation above, k, r, s, t, and v represent positive numbers. Multiplying which one of these numbers by 2 will reduce the value of n to $\frac{1}{2}$ of its present value?

00000

11

@D

A certain money market account that had a balance of \$48,000 during all of last month earned \$360 in interest for the month. At what simple annual interest rate did the account earn interest last month?

7%7.5%8%8.5%9%

12

@E

	Column A	Column B
13	The two-digit integer that equals twice the sum of its digits	16

@A

When the even integer n is divided by 7, the remainder is 3.

 Column A
 Column B

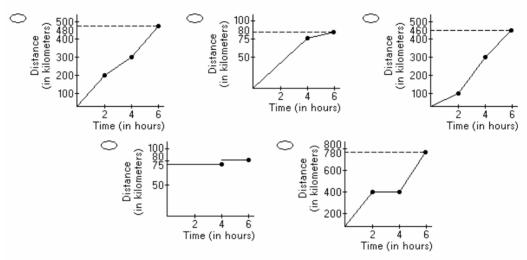
 The remainder when
 10

 n is divided by 14

14

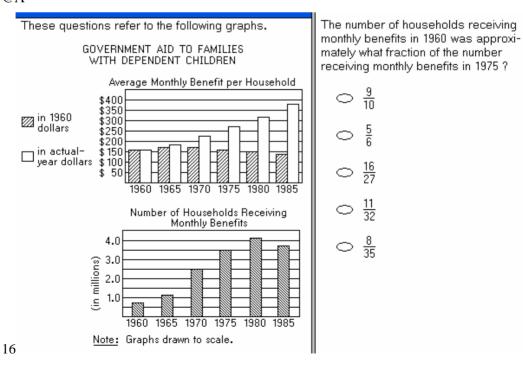
@C

A car travels at an average speed of 80 kilometers per hour during a 6-hour trip and averages 75 kilometers per hour for the first 4 hours of the trip. Which of the following distance-versus-time graphs is consistent with this information?

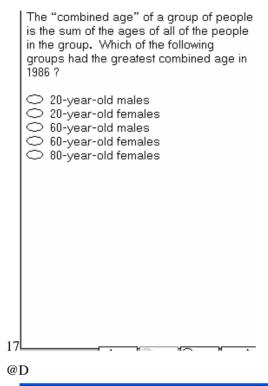


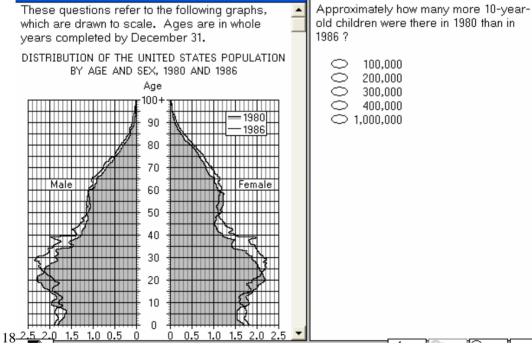
15

@A



@E





@D