1992 Q21
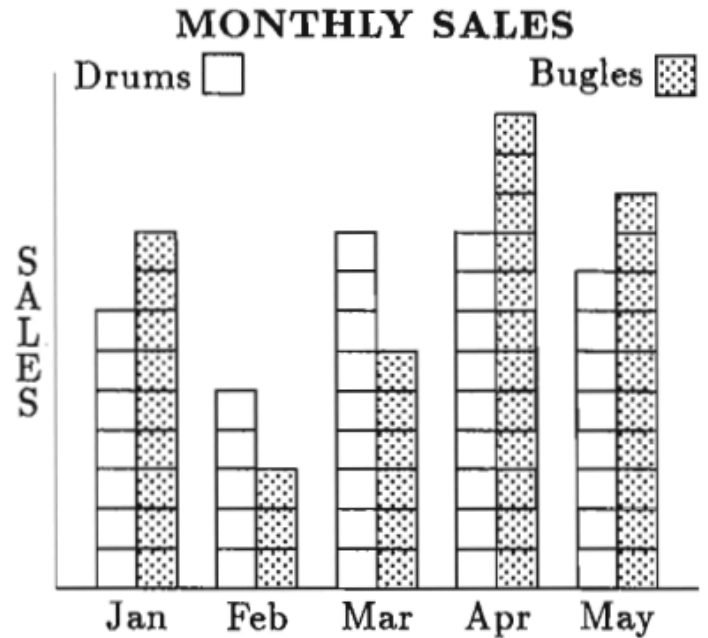
21. Northside's Drum and Bugle Corps raised money for a trip. The drummers and bugle players kept separate sales records. According to the double bar graph, in what month did one group's sales exceed the other's by the greatest percent?

(A) Jan　　(B) Feb

(C) Mar　　(D) Apr

(E) May

MONTHLY SALES

Drums □　　Bugles ▨

SALES

Jan　Feb　Mar　Apr　May

1993 Q21

21. If the length of a rectangle is increased by 20% and its width is increased by 50%, then the area is increased by

(A) 10%　　(B) 30%　　(C) 70%　　(D) 80%　　(E) 100%

2005 Q22

22. A company sells detergent in three different sized boxes: small (S), medium (M) and large (L). The medium size costs 50% more than the small size and contains 20% less detergent than the large size. The large size contains twice as much detergent as the small size and costs 30% more than the medium size. Rank the three sizes from best to worst buy.

(A) SML   (B) LMS   (C) MSL   (D) LSM   (E) MLS

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2004 Q22

22. At a party there are only single women and married men with their wives. The probability that a randomly selected woman is single is $\frac{2}{5}$. What fraction of the people in the room are married men?

(A) $\frac{1}{3}$ (B) $\frac{3}{8}$ (C) $\frac{2}{5}$ (D) $\frac{5}{12}$ (E) $\frac{3}{5}$

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1985 Q21

21. Mr. Green receives a 10% raise every year. His salary after four such raises has gone up by what percent?

A) less than 40%   B) 40%   C) 44%   D) 45%   E) More than 45%

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1987 Q23

23. Assume the adjoining chart shows the 1980 U.S. population, in millions, for each region by ethnic group. To the nearest percent, what percent of the U.S. Black population lived in the South?

	NE	MW	South	West
White	42	52	57	35
Black	5	5	15	2
Asian	1	1	1	3
Other	1	1	2	4

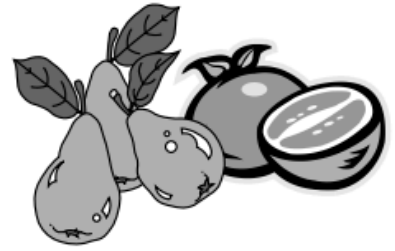A) 20%   B) 25%   C) 40%   D) 56%   E) 80%

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1988 Q22

22. Tom's Hat Shoppe increased all original prices by 25%. Now the shoppe is having a sale where all prices are 20% off these increased prices. Which statement best describes the sale price of an item ?

A) The sale price is 5% higher than the original price.

B) The sale price is higher than the original price, but by less than 5%.

C) The sale price is higher than the original price, but by more than 5%.

D) The sale price is lower than the original price.

E) The sale price is the same as the original price.

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24. Miki has a dozen oranges of the same size and a dozen pears of the same size. Miki uses her juicer to extract 8 ounces of pear juice from 3 pears and 8 ounces of orange juice from 2 oranges. She makes a pear-orange juice blend from an equal number of pears and oranges. What percent of the blend is pear juice?

(A) 30   (B) 40   (C) 50   (D) 60   (E) 70