Question 1

Andre is buying gifts for his office staff. He wants to spend exactly $280 and he can buy either sweatshirt, which cost $22, or baseball caps, which cost $26. In the table below, choose the number of sweatshirts and the number of baseball caps that Andre should buy.

Sweatshirts	Baseball Caps	Number to Buy
(A) __	(A) __	4
(B) __	(B) __	5
(C) __	(C) __	6
(D) __	(D) __	7
(E) __	(E) __	8
(F) __	(F) __	9

(The Princeton Review)

Question 2

The bar chart below displays the population of the United States according to official census figures every fifty years over a 150-year period.
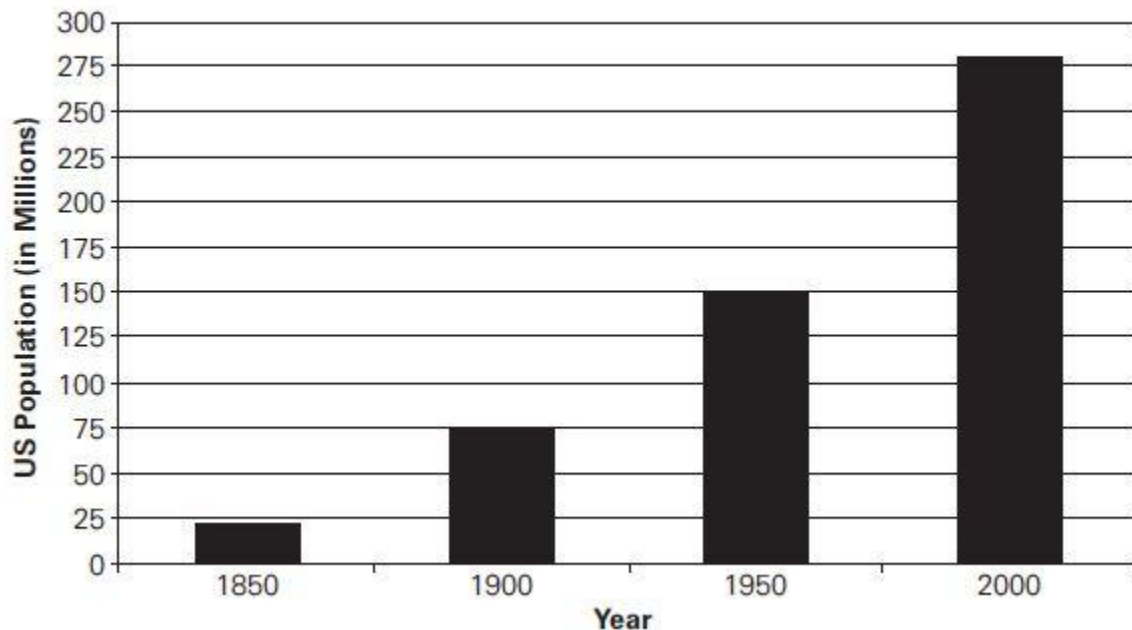
Question 2.1 The ratio of the U.S. population in 2000 to the U.S. population in 1900 is closest to __.

A. 1 to 4

B. 2 to 7

C. 2 to 1

D. 3 to 1

E. 11 to 3

Question 2.2 The U.S. population in 1950 was approximately __ of the U.S. population in 1850.

A. 800%

B. 600%

C. 200%

D. 85%

E. 15%

Question 2.3 The U.S. population increased by approximately __ from 1900 to 1950.

A. 25%

B. 33%

C. 50%

D. 100%

E. 200%

Question 3

In a certain academic competition, there are three rounds, and three possible results in each round.   The folks who "lose" acquire no commendations and do not advance to the next round. The folks who "place", acquire a set of commendations for that round, but do not advance to the next round.   The folks who "win" acquire a set of commendations for that round, and, in the case of the first two rounds, advance to the next round; in the case of the third round, the "win" means winning the entire competition. The following chart shows, on average, the percentages of participants who achieve the three results in each of the three rounds.
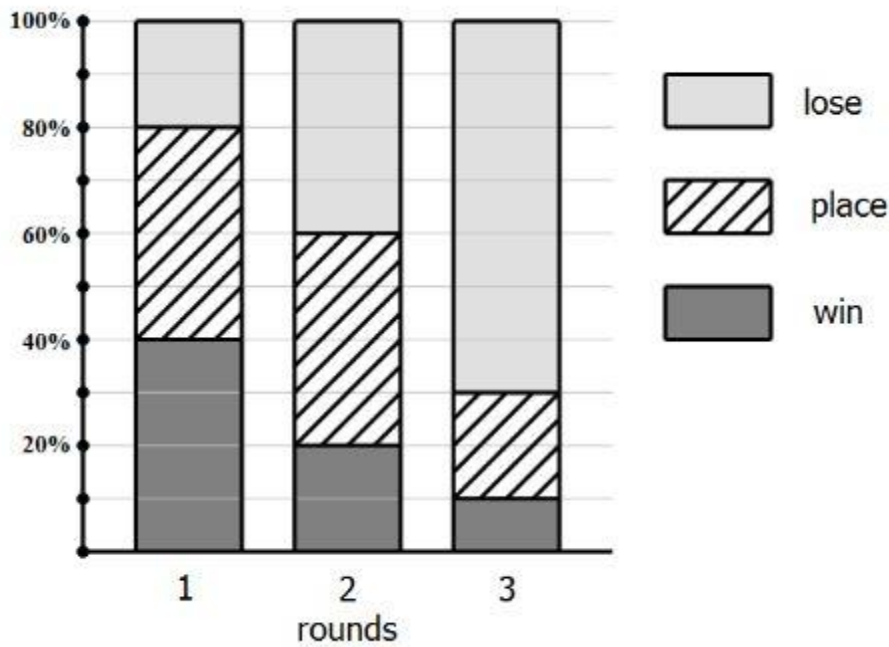
Question: 3.1. If 100,000 participant start this process, and if all the percentages in the chart are correct, _____ people of them would win the entire competition.

800
3,200
7,000
10,000

Question 3.2. Exactly _____ % of participants who start acquire exactly two sets of commendations.

16
16.8
20
21.6