

**1996 Q12**

12. What number should be removed from the list

1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11

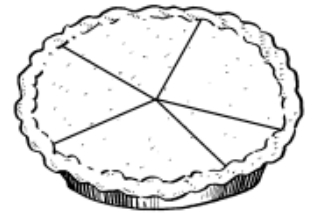
so that the average of the remaining numbers is 6.1?

(A) 4      (B) 5      (C) 6      (D) 7      (E) 8

2 / 9

**2001 Q13**

13. Of the 36 students in Richelle's class, 12 prefer chocolate pie, 8 prefer apple, and 6 prefer blueberry. Half of the remaining students prefer cherry pie and half prefer lemon. For Richelle's pie graph showing this data, how many degrees should she use for cherry pie?



(A) 10      (B) 20      (C) 30      (D) 50      (E) 72

3 / 9

**1999 Q13**

13. The average age of the 40 members of a computer science camp is 17 years. There are 20 girls, 15 boys, and 5 adults. If the average age of the girls is 15 and the average age of the boys is 16, what is the average age of the adults?

(A) 26      (B) 27      (C) 28      (D) 29      (E) 30

4 / 9

**1992 Q13**

13. Five test scores have a mean (average score) of 90, a median (middle score) of 91 and a mode (most frequent score) of 94. The sum of the two lowest test scores is
- (A) 170    (B) 171    (C) 176    (D) 177  
(E) not determined by the information given

5 / 9

**2008 Q13**

13. Mr. Harman needs to know the combined weight in pounds of three boxes he wants to mail. However, the only available scale is not accurate for weights less than 100 pounds or more than 150 pounds. So the boxes are weighed in pairs in every possible way. The results are 122, 125 and 127 pounds. What is the combined weight in pounds of the three boxes?
- (A) 160    (B) 170    (C) 187    (D) 195    (E) 354



6 / 9

**2015 Q13**

13. How many subsets of two elements can be removed from the set
- $$\{1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11\}$$
- so that the mean (average) of the nine remaining numbers is 6?
- (A) 1    (B) 2    (C) 3    (D) 5    (E) 6

7 / 9

**1997 Q13**

13. Three bags of jelly beans contain 26, 28, and 30 beans. The ratios of yellow beans to all beans in each of these bags are 50%, 25%, and 20%, respectively. All three bags of candy are dumped into one bowl. Which of the following is closest to the ratio of yellow jelly beans to all beans in the bowl?

- (A) 31%    (B) 32%    (C) 33%    (D) 35%    (E) 95%

8 / 9

**2008 Q15**

15. In Theresa's first 8 basketball games, she scored 7, 4, 3, 6, 8, 3, 1 and 5 points. In her ninth game, she scored fewer than 10 points and her points-per-game average for the nine games was an integer. Similarly in her tenth game, she scored fewer than 10 points and her points-per-game average for the 10 games was also an integer. What is the product of the number of points she scored in the ninth and tenth games?



- (A) 35    (B) 40    (C) 48    (D) 56    (E) 72

9 / 9

**1993 Q15**

15. The arithmetic mean (average) of four numbers is 85. If the largest of these numbers is 97, then the mean of the remaining three numbers is

- (A) 81.0    (B) 82.7    (C) 83.0    (D) 84.0    (E) 84.3