

## GRE 10-10 (99.4)

The median salary for professional group  $A$  is \$40,610. The median salary for professional group  $B$  is \$40,810.

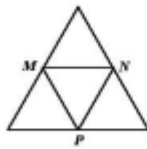
15. The median salary for groups  $A$  and  $B$  combined

\$40,710

16. The water level in a tank is lowered by 6 inches, then raised by  $8\frac{1}{2}$  inches, and then lowered by 4 inches.

If the water level was  $x$  inches before the changes in level, which of the following represents the water level, in inches, after the changes?

- (A)  $x - 1\frac{1}{2}$   
 (B)  $x + 1\frac{1}{2}$   
 (C)  $x - 6\frac{1}{2}$   
 (D)  $x + 6\frac{1}{2}$   
 (E)  $x - 18\frac{1}{2}$



17. In the figure above,  $M$ ,  $N$ , and  $P$  are midpoints of the sides of an equilateral triangle whose perimeter is 18. What is the perimeter of the shaded region?

- (A) 2  
 (B) 3  
 (C)  $4\frac{1}{2}$

- (D) 6  
 (E) 9

18. Which of the following sets of number is has the greatest standard deviation?

- (A) 2, 3, 4  
 (B) 2.5, 3, 3.5  
 (C) 1, 1.25, 1.5  
 (D) -2, 0, 2  
 (E) 20, 21, 21.5

19. If  $x$ ,  $y$ , and  $z$  represent consecutive integers, and  $x < y < z$ , which of the following equals  $y$ ?

- I.  $x + 1$   
 II.  $\frac{x+z}{2}$   
 III.  $\frac{x+y+z}{3}$

- (A) I only  
 (B) I and II only  
 (C) I and III only  
 (D) II and III only  
 (E) I, II and III

20. When 9 students took a zoology quiz with a possible score of 0 to 10, inclusive, their average (arithmetic mean) score was 7.5. If a tenth student takes the same quiz, what will be the least possible average score on the quiz for all 10 students?

- (A) 6.5  
 (B) 6.75  
 (C) 7.0  
 (D) 7.25  
 (E) 7.5