Determine which score corresponds to the higher relative position.

- 5) Which is better: a score of 82 on a test with a mean of 70 and a standard deviation of 8, or a score of 82 on a test with a mean of 75 and a standard deviation of 4?
 - A) The second 82
 - B) Both scores have the same relative position.
 - C) The first 82

	A) Both scores have the sa	ame relative position.			
	B) A score of 92		- 18 ¹		
	C) A score of 688				
	· ·				
		the second			
Find th	e indicated percentile, deci	le, or quartile.			
) Use the given sample data				
	49 52 52 52 74 67 55 55				
	A) 6.0	B) 55.0	C) 67.0	D) 61.0	
	11,0.0	<i>D</i> /30.0	C) 07.0	D) 01.0	
		CONTRACTOR SOR	dan ji n		
8) The weights (in pounds) o		listed below. Find P ₁₆ .	7.*	
	5.5 5.7 5.8 5.9 6.1 6.1 6.4				,
	6.7 6.7 6.7 6.9 7.0 7.0 7.0		2, 11.6	* 4	
	7.4 7.5 7.7 7.7 7.8 8.0 8.1	1 8.1 8.3 8.7			
	A) 5.9	B) 4.8	C) 6.1	D) 6.0	
	*				
			*		
		* ¥			
		Test to	e*		
9) The weights (in pounds) o				
	5.5 5.7 5.8 6.0 6.1 6.1 6.3		220104 2020 111 2214 201		
	6.7 6.7 6.7 6.9 7.0 7.0 7.0		. *		
	7.4 7.5 7.7 7.7 7.8 8.0 8.3				
	A)7.3	B)7.1	C)7.2	D) 18	
		*			
		e e grange			
Solve t	he problem.				
		v skewed to the right P	10 is likely to be closer to th	e median than P90. True or fa	alces
10		J DACTICA TO THE HIGHL, I		ic median man 1 90. 11 ac 01 1	HOC:
	A) False		B) True		

6) Which is better, a score of 92 on a test with a mean of 71 and a standard deviation of 15, or a score of 688 on a

test with a mean of 493 and a standard deviation of 150?

11) Human body temperatures have a mean of 98.20° F and a standard deviation of 0.62°. Sally's temperature can be described by z = 2.3. What is her temperature? Round your answer to the nearest hundredth.

A)99.63°F

B) 101.90°F

C) 100.50°F

D) 96.77°F

Construct a boxplot for the given data. Include values of the 5-number summary in all boxplots.

12) Construct a boxplot for the data given in the stem-and-leaf plot.

4 | 369

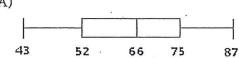
5 12258

6 56667779

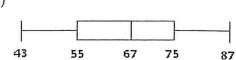
7 | 13579

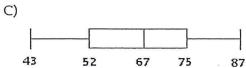
8 3567

A)

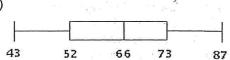


B)





D)



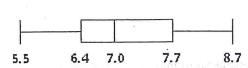
13) The weights (in pounds) of 30 newborn babies are listed below. Construct a boxplot for the data set.

5.5 5.7 5.8 5.9 6.1 6.1 6.3 6.4 6.5 6.6

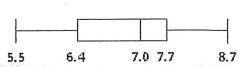
6.7 6.7 6.7 6.9 7.0 7.0 7.0 7.1 7.2 7.2

7.4 7.5 7.7 7.7 7.8 8.0 8.1 8.1 8.3 8.7

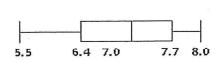
A)



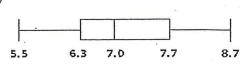
B)



C)



D)



14) The test scores of 32 students are listed below. Construct a boxplot for the data set.

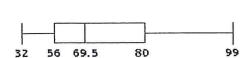
32 37 41 44 46 48 53 55

57 57 59 63 65 66 68 69

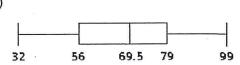
70 71 74 74 75 77 78 79

81 82 83 86 89 92 95 99

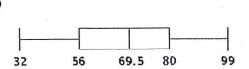
A)



B)



C)



D)

