

1. The satisfaction ratings of 25 employees are determined using a semantic differential rating scale (1 being the lowest and 10 being the highest). The data are as follows: 8,7,5,6,9,4,6,6,7,2,8,9,3,5,7,7,4,8,9,6,7,3,4,5 7. According to the Human Resource (HR) department, at most, 20% of the employees are very dissatisfied in the workplace. What rate is HR's basis for making such a statement?	Name:					RE
Solving Problems Involving Measures of Position Solve the following problems. Write your answers in the space provided below. 1. The satisfaction ratings of 25 employees are determined using a semantic differential rating scale (1 being th lowest and 10 being the highest). The data are as follows: 8,7,5,6,9,4,6,6,7,2,8,9,3,5,7,7,4,8,9,6,7,3,4,5,7,4,8,9,6,7,3,4,5,7,4,8,9,6,7,3,4,5,7,4,8,9,6,7,3,4,5,7,4,8,9,6,7,3,4,5,7,4,8,9,6,7,3,4,5,7,4,8,9,6,7,3,4,5,7,4,8,9,6,7,3,4,5,7,4,8,9,6,7,3,4,5,7,4,8,9,6,7,3,4,5,7,4,8,9,6,7,3,4,5,7,4,8,9,6,7,3,4,5,7,4,8,9,6,7,3,4,5,9,8,9,3,5,7,7,4,8,9,6,7,3,4,5,9,8,9,3,5,7,7,4,8,9,6,7,3,4,5,9,8,9,3,5,7,7,4,8,9,6,7,3,4,5,7,4,8,9,6,7,3,4,5,9,8,9,3,5,7,7,4,8,9,6,7,3,4,5,9,8,9,3,5,7,7,4,8,9,6,7,3,4,5,9,8,9,3,5,7,7,4,8,9,6,7,3,4,5,9,8,9,3,5,7,7,4,8,9,6,7,3,4,5,9,8,9,3,5,7,7,4,8,9,6,7,3,4,5,9,8,9,3,5,7,7,4,8,9,6,7,3,4,5,9,8,9,3,5,7,7,4,8,9,9,8,9,3,5,7,7,4,8,9,6,7,3,4,5,9,8,9,3,5,7,7,4,8,9,6,7,3,4,5,9,8,9,3,5,7,7,4,8,9,6,7,3,4,5,9,8,9,3,5,7,7,4,8,9,9,8,9,3,5,7,7,4,8,9,9,8,9,3,5,7,7,4,8,9,8,9,8,9,3,9,8,9,3,9,8,9,3,9,3,5,7,7,4,8,9,8,9,3,9,3,5,7,7,4,8,9,8,9,3,9,3,4,9,3,4,9,3,4,4,8,4,8,4,8,4,8,4,8,4,8,4,8,4,8,4,8	Date Started:		Date Finished:_		Score:	LDOCA
1. The satisfaction ratings of 25 employees are determined using a semantic differential rating scale (1 being the lowest and 10 being the highest). The data are as follows: 8,7,5,6,9,4,6,6,7,2,8,9,3,5,7,7,4,8,9,6,7,3,4,5 and 20% of the employees are very dissatisfied in their workplace. What rate is HR's basis for making such a statement? 2. A survey shows that, at most, 20% of the respondents spent greater than x minuteswatching a certain TV program. The distribution of the respondents is as follows. Determine the value of x. Time (hours) 15-44 45-74 75-104 105-134 135-164		Solving	Learning A g Problems Involv	ctivity Sheet ving Measures of P	osition	
lowest and 10 being the highest). The data are as follows: 8,7,5,6,9,4,6,6,7,2,8,9,3,5,7,7,4,8,9,6,7,3,4,5.7. According to the Human Resource (HR) department, at most, 20% of the employees are very dissatisfied in their workplace. What rate is HR's basis for making such a statement? 2. A survey shows that, at most, 20% of the respondents spent greater than x minuteswatching a certain TV program. The distribution of the respondents is as follows. Determine the value of x. Time (hours) 15-44 45-74 75-104 105-134 135-164	Solve the following p	roblems. Write yo	ur answers in the s	space provided below	w.	
Time (hours) 15-44 45-74 75-104 105-134 135-164	lowest and 10 being the following to the H	he highest). The da Iuman Resource (I	ata are as follows: HR) department, a	8,7,5,6,9,4,6,6,6 t most, 20% of the	7, 2, 8, 9, 3, 5, 7, 7, 4	4, 8, 9, 6, 7, 3, 4, 5
Time (hours) 15-44 45-74 75-104 105-134 135-164						
Time (hours) 15-44 45-74 75-104 105-134 135-164						
Time (hours) 15-44 45-74 75-104 105-134 135-164						
Time (hours) 15-44 45-74 75-104 105-134 135-164						
The distribution of the respondents is as follows. Determine the value of x. Time (hours) 15-44 45-74 75-104 105-134 135-164						
Time (hours) 15-44 45-74 75-104 105-134 135-164						
Time (hours) 15-44 45-74 75-104 105-134 135-164						
Time (hours) 15-44 45-74 75-104 105-134 135-164						
	2. A survey shows that The distribution of the	at, at most, 20% of e respondents is as	the respondents s follows.Determin	pent greater than x rule the value of x.	minuteswatching a co	ertain TV program
Respondents 5 11 9 15 10	Time (hours)	15-44	45-74	75-104	105-134	135-164
	Respondents	5	11	9	15	10



3. The salaries of two companies are recorded as follows:

Company A	13,000	11,500	9,800	14,000	18,000	15,000	8,100	6,900	13,450
Company B	5,700	19,200	14,500	16,800	11,050	12,400	8,900	6,700	7,550

Answer the following questions. Write your answers in the spaces provided:

1. What is the value of the first quartile of the salary of the employees in Company A?
2. What is the value of the upper quartile of the salary of the employees in Company A?
3. Determine the interquartile range of the salary of the employees in Company A.
4. What is the value of the 1st quartile of the salary of the employees in Company B?
5. What is the value of the upper quartile of the salary of the employees in Company B?
6. Determine the interquartile range of the salary of the employees in Company B.
7. Which among the companies is more likely to have a salary-gap problem? Justify your answer.