

Data Comparison using Data Sets

Grade 5 Measurements & Data Worksheet

1. Use the data sets below to solve the problems listed below.

1.			a sets t eam A			e the pi : Tear		ns I	isted	below	7.			
		$\begin{array}{c c} \mathbf{re:} & \mathbf{I} \\ \hline 30 & 87 \end{array}$		79 6'				,						
	12 0	0 01	00	0	00	105 8	33 78)						
a. Which of the following shows the comparison of the mean scores for										ores for eac	h			
		ta set?												
	А.	74.6 2	> 69.8	(C. 75.6	< 79.8	8	Γ						
	В.	82 >	77	Ι	D. 75 <	< 79		ç	Solution:					
b. Which of the following shows the comparison of the median scores for											cores for eac	h		
	da	ta set?)											
	А.	79 <	78	(C. 79 <	< 77		Г						
	В.	79 >	78		D. 78	< 73		S	Solut	ion:				
	c. W	hich of	f the fo	ollowin	g show	vs the	compa	aris	on of	the r	ange f	or each dat	a	
	set	;?												
	A. $19 < 40$ C. 27													
	B. 83.4 > 82.8 D. 97					' < 105		Solution:						
	d. W	hich o	f the fo	ollowin	ig show	vs the	compa	aris	on of	the r	node f	or each dat	a	
	set				0		-							
	А.	27 <	39		C. 97	' < 104		Г						
	В.	83.4 >	> 82.8		D. No	o Mode)		Solu	tion:				
2	How d	o the	followi	ng dat	a sets	compai	re?							
			Driver	0				Dı	riven	to S	chool			
	103	78 8	2 103	100	91	141	135	98	89	85	98			
	84	97 8	6 54	107	82	109	134	84	87	123	106			
	Solut	tion:												
3.		,	,		0	-						n below.		
			A: M				a Set	_						
	53	54	61	55	58	51	59	6	54	71	57			

	63	59	73	64	66	65	69	61	56	53	
	~ •	•									
C L	Solut	ion:									



Data Comparison using Data Sets

Grade 5 Measurements & Data Answer Sheet

1. Use the data sets below to solve the problems listed below.

Score: Team		Team H			•					
$\begin{array}{c c} \hline \hline \\ $		105 83	78							
a. Which of the following shows the comparison of the mean scores for each data set?										
A. $74.6 > 69.8$	A. $74.6 > 69.8$ C. $75.6 < 79.8$									
B. $82 > 77$	D. 75 <	79	Sol	ution: (C					
b. Which of the f data set? A. 79 < 78										
B. $79 > 78$	D. 78	< 73	Sol	ution: <mark>I</mark>	3					
c. Which of the set? A. $19 < 40$	c. Which of the following shows the comparison of the range for each d set?									
B. $83.4 > 82.8$	B D. 97	7 < 105	Sol	Solution: C						
d. Which of the set?	following show	vs the com	parison	of the m	node fo	r each data				
A. $27 < 39$	C. 97	< 104	[
B. $83.4 > 82.8$	B D. No	o Mode	So	lution:	D					
2. How do the follow	ving data sets o	compare?								
A: Miles Drive		· · ·	es Driv	en to Se	chool					
103 78 82 10	3 100 91	141 13	5 98 8	89 85	98					
84 97 86 54	4 107 82	109 13	4 84 8	87 123	106					
Solution: To compare d	ata, we mus	t find th	e value	of mea	n, me	dian, and				

range.

3. Use mean, median, and range to compare the two data sets given below.

Dat	a Set	A: M	ath S	core	Data Set B: Math Score						
53	54	61	55	58	51	59	64	71	57		
63	59	73	64	66	65	69	61	56	53		

Solution: A Mean = 60.6Median = 60Range = 20

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Mean = 60.6Median = 60Range = 20

Data Sets A & B are NOT exactly the same, but their mean, median and range give the same results.