2019-2020 HISD @ H.O.M.E. Distance Learning

Mathematics – Grade 4

April 13-24, 2020 - Week 1

Monday – 30 minutes							
Activity / Task	Look at this frequency table						
Problem Solving	Genres of Books Read						
Using	Type Frequency						
Frequency		Comedy	/	63	-		
Tables with		Fiction		58	7		
Whole Numbers		Nonfictio	n	87			
		Drama		70			
	What do you notice? What following sentence stems: <i>I</i> A frequency table represent tables to organize and represent someone asks a question at frequency table? Write your	do you wonder <i>I notice</i> s data using ta esent collected nd records the	? On a piece of Ily marks and/o data from a su answers. Wha	of paper, write <i>I wonder</i> or numerical co rvey. What's a at could have b	your response using the ounts. We use frequency a survey? A survey is when been the question for this		
	frequency table? Write your answer.						
	Look at the frequency table again. Then, answer the questions that follow the frequency table.						
	The frequency table below shows the genres of books read by the fourth-grade students at Reed Elementary.						
	Genres of Books Read						
		Туре	Frequen	су			
		Comedy	63				
		Fiction	58				
	N	onfiction	87				
		Drama	70				
	How many fourth-grade students read only comedy books?						
	How many fourth-grade students read comedy or drama books?						
	• How many more students prefer comedy and drama than non-fiction as their favorite genre?						
	• How many fourth-grade students participated in the survey? Hint: add all the frequencies On your paper, explain how you know your answer to the third question is correct using the following sentence stem:						
	I know that studen because	ts prefer come	dy and drama i	han non-fictior	າ as their favorite genre		
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2019-2020 HISD @ H.O.M.E. Distance Learning

Mathematics – Grade 4

April 13-24, 2020 - Week 1

Tuesday – 30 minutes						
Activity / Task	Look at this frequency	table.				
Problem Solving		Route	Distance (miles)	Frequency		
Using		Α	2.75	0		
Frequency		В	5.2	2		
Tables with		С	7.5	3		
Whole Numbers		D	10	4		
		E	14.8	2		
	How is this frequency table the same as the one from yesterday? How is it different? Complete a table similar to this one on a piece of paper:					
			Same	Different		
		_				
	Read the math story b	elow with th	e frequency table. The	en, observe how	one question can be solved.	
	Steve, a long-distance runner, uses an online computer program to map running routes that vary by distance. Over the past 3 weeks, Steve used a frequency table to record how many times he completed each route, as shown below.					
		Route	Distance (miles)	Frequency		
		Α	2.75	0		
		В	5.2	2		
		С	7.5	3		
		D	10	4		
		Е	14.8	2		
	For the routes run over the past 3 weeks, how many miles did Steve run route C?					
	?			Looking at the frequency table, I can see that Steve ran route C three times, so I		
	7.5	7.5	7.5	miles he ran	each time. Then Liust need to	
				add. $7.5 + 7.5 + 7.5 = 22.5$ miles		
	Now answer the rest of the questions:					
	• For the routes run over the past 3 weeks, how many miles did Steve run route B?					
	For the routes run over the past 3 weeks, how many miles did Steve run route E?					
	• For the routes run over the past 3 weeks, how many miles did Steve run route C than route B?					
	Write one question that would solve the proble	at you can so em.	olve using the information	on in this freque	ncy table. Then, explain how you	
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2019-2020 HISD @ H.O.M.E. Distance Learning

Mathematics – Grade 4

April 13-24, 2020 - Week 1



2019-2020 HISD @ H.O.M.E. Distance Learning

Mathematics – Grade 4

April 13-24, 2020 - Week 1



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Mathematics – Grade 4

April 13-24, 2020 - Week 1



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2019-2020 HISD @ H.O.M.E. Distance Learning

Mathematics – Grade 4

April 13-24, 2020 – Week 2



GLOBAL GRADUATE

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Mathematics – Grade 4

April 13-24, 2020 - Week 2





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2019-2020 HISD @ H.O.M.E. Distance Learning

Mathematics – Grade 4

April 13-24, 2020 - Week 2

	Wednesday – 30 minutes					
Activity / Task	Think about how you created a stem-and-leaf plot yesterday and answer the following question on a piece of paper: <i>Why is thinking about place value important when creating a stem-and-leaf plot?</i>					
Problem Solving using Stem-and- leaf Plots with Decimals	So far, we have only created stem-and-leaf plots using whole numbers. However, if we remember to use what we know about place value, we use the same process to create stem-and-leaf plots when the data contains decimals. Look at the following math story and its stem-and-leaf plot: The meteorologist in Odessa, Texas recorded the rainfall averages for each month of the year.					
	OdessaAverage Rainfall by Month (inches)StemLeaves042, 53, 58, 65, 65, 73171, 77, 77, 79, 89231Key: 171 represents 1.71 inchesStem-and-Leaf plot created by HISD Curriculum using Microsoft WordRemember, the numbers are ordered from least to greatest. 0.42 is the least and 2.31 is the greatest value					
	Now, answer the following questions on your paper:					
	 For how many months did Odessa have an average rainfall total of 0.65 inches? How do you know? 					
	• What is the difference between the lowest rainfall total and the highest rainfall total?					
	Create a question that can be answered by the data represented in the stem-and-leaf plot. Solve and record your solution. Use these sentence stems to help you formulate your question:					
	How many months had rainfall over?					
	How many months had rainfall less than?					
	How many months had rainfall greater than but less than?					
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Mathematics – Grade 4

April 13-24, 2020 - Week 2





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Mathematics – Grade 4

April 13-24, 2020 - Week 2





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