Grade 5

Representing and Interpreting Data Unit Summary

Overarching Student Learning Goals In this unit, your child will work to build an understanding of the following:	Resources/Tasks to support your child at home.

Create a line plot to show fractional parts to eighths
• Students understand that data can be represented on a line plot and this visual information can be used to understand the data.
 	
• Students should realize they need to make the size of the x's the same so that there will be no misunderstandings when interpreting data.
 	
• Students will connect their prior experiences measuring to the nearest half, fourth, and eighth of an inch to their knowledge of equivalent fractions to understand the data in line plots.
 	
The coach is trying to get the team to sleep more each night. Here is a list of the number of hours each player slept last night:
 	
6½ , 7, 9, 6½, 7½, 8½, 8, 9¼, 6¾, 7, 7½ , 8, 9¼, 7½, 7¾
 	
Make a line plot to show this data:
 	
	• Virtual Nerd: What is a Line Plot? - https://bit.ly/2Ggt82n
	
	• Khan Academy: Intro to Line Plots - https://bit.ly/2Ioqqt7
	
	• Florida Student Tutorial: Samantha's Shell Collecting Adventure - https://bit.ly/2WYjeYI
	
	• Fractions On a Line Plot:
	  o Game Cards - https://bit.ly/2OZigZB
	  o Game Sheet - https://bit.ly/2Kr1qEl
	  o Solutions - https://bit.ly/2UQjxaw

Use data on a line plot to solve problems • Students realize we can ask and answer questions about data using line plots. • Students will connect their knowledge of adding, subtracting, multiplying, and dividing fractions (with and without common denominators) and mixed numbers to solve problems involving fractional data from line plots Example: Using the line plot above: • *What is the shortest amount of time that a player slept? The longest?* • *Which number of hours did the greatest number of students sleep?*	• Khan Academy: Reading Line Plots With Fractions - https://bit.ly/2Iqzeyw • Khan Academy: Line Plot Distribution - https://bit.ly/2UQis2s

For more information on the learning goals and your child's progress, please contact your child's teacher.