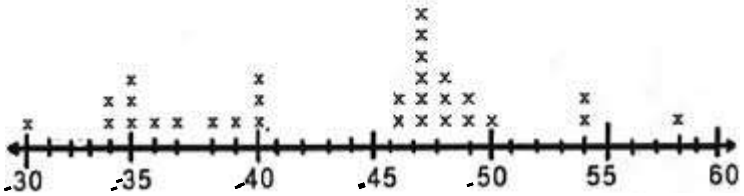
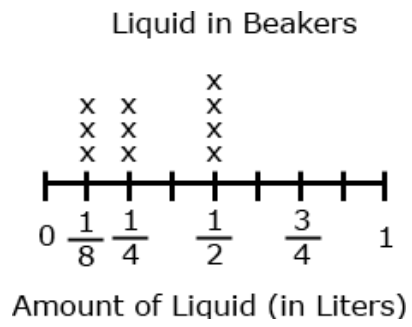
Cluster Summary for: Represent and interpret data **Grade Level:** 5th Grade	**Domain:** Measurement and Data **Cluster Priority:** ___ Major Cluster _X_ Supporting Cluster ___ Additional Cluster

SCALE	TRIMESTER 1	TRIMESTER 2	TRIMESTER 3
4: Advanced In addition to score 3, in-depth inferences and applications go beyond Mathematics, are applied to other disciplines, and are utilized in real-world contexts.			
3: Proficient The student exhibits no major errors or omissions. The student will know and be able to:	Make a line plot to display place value of decimals to thousandths place.	Make a line plot to display a data set using decimals and **fractions**	Make a line plot to display a data set of measurements in **fractions of a unit; while using operations on fractions to solve problems involving information presented in line plots.**
Proficiency Example	 Answers need to be written in decimals and fractions.		For example, given different measurements of liquid in identical beakers, find the amount of liquid each beaker would contain if the total amount in all the beakers were distributed equally. Ten beakers, measured in liters, are filled with a liquid. The line plot above shows the amount of liquid in liters in 10 beakers. If the liquid is redistributed equally, how much liquid would each beaker have? (This amount is the mean.) Students apply their understanding of operations with fractions. They use either addition and/or multiplication to determine the total number of liters in the beakers. Then the sum of the liters is shared evenly among the ten beakers. 
2: Partially Proficient There are no major errors or omissions regarding the simpler details and processes as the student recognizes or recalls terminology and performs basic processes. However, the student exhibits major errors or omissions regarding the more complex ideas and processes.			
1: Novice With help, a partial understanding of some of the simpler details and processes and some of the more complex ideas and processes.			
0: No Evidence Even with help, no understanding or skill demonstrated.			

Everyday Math Lessons	**6.1, 6.4**		

Mathematical Practices Best Taught in this Cluster: (check those that apply)

__ Make sense of problems & persevere in solving them _x_ Reason abstractly & quantitatively __ Construct viable arguments & critique the reasoning of others

_x_ Model with mathematics __Use appropriate tools strategically __Attend to precision __Look for and make use of structure __Look for & express regularity in repeated reasoning

Key Vocabulary for the Cluster: line plot, data, fractions of a unit, operations, measurement