

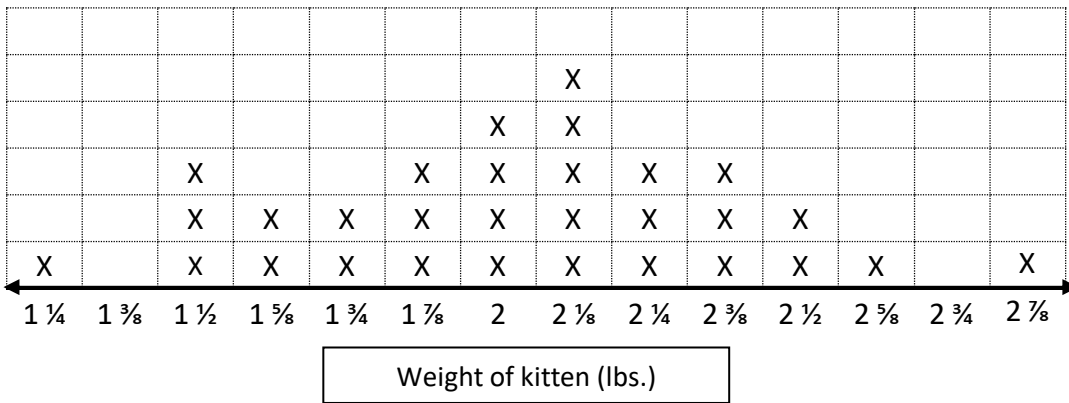
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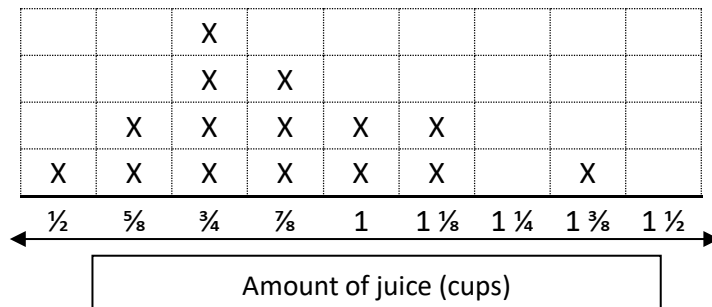
INTERPRETING LINE PLOTS SHEET 5:2

1) Here is a dot-plot showing the weight of 30 kittens at age 2 months.



a)	What is the difference in weight between the heaviest kitten and the lightest one?	
b)	How many kittens weighed over 2 lbs. but less than 2 1/2 lbs.?	
c)	What is the modal kitten weight?	
d)	What fraction of the kittens weighed 2 lbs. or less? <i>Write the fraction in its simplest form.</i>	

2) Sally is finding out how much juice is in 1 grapefruit. She takes 15 grapefruit and puts them through a juicer to see how much juice is in each one. She records the amount of juice in a dot plot.

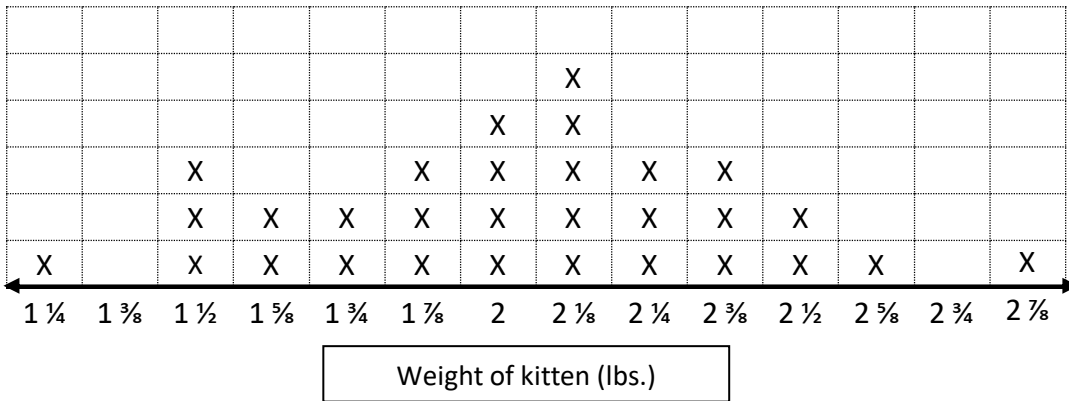


a)	What is the difference between the grapefruit with the most juice to the grapefruit with the least?	
b)	What is the median amount of juice in the grapefruit?	
c)	How much grapefruit juice is there in the 8 juiciest fruit?	



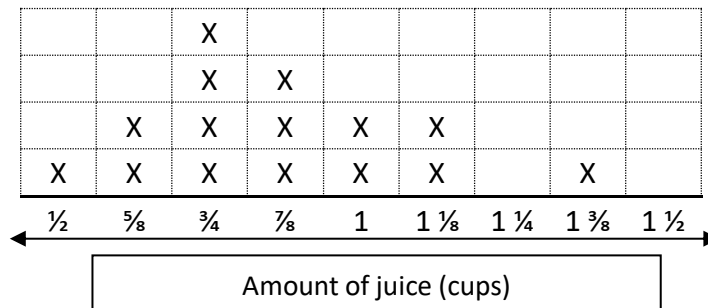
INTERPRETING LINE PLOTS SHEET 5:2 ANSWERS

1) Here is a dot-plot showing the weight of 30 kittens at age 2 months.



a)	What is the difference in weight between the heaviest kitten and the lightest one?	$2 \frac{7}{8} - 1 \frac{1}{4} = 1 \frac{3}{4}$ lbs.
b)	How many kittens weighed over 2 lbs. but less than $2 \frac{1}{2}$ lbs.?	11
c)	What is the modal kitten weight?	$2 \frac{1}{8}$ lbs.
d)	What fraction of the kittens weighed 2 lbs. or less? <i>Write the fraction in its simplest form.</i>	$\frac{15}{30} = \frac{1}{2}$

2) Sally is finding out how much juice is in 1 grapefruit. She takes 15 grapefruit and puts them through a juicer to see how much juice is in each one. She records the amount of juice in a dot plot.



a)	What is the difference between the grapefruit with the most juice to the grapefruit with the least?	$1 \frac{3}{8} - \frac{1}{2} = \frac{3}{8}$ cups
b)	What is the median amount of juice in the grapefruit?	$\frac{3}{4}$ cups
c)	How much grapefruit juice is there in the 8 juiciest fruit?	$\frac{7}{8} \times 3 + 1 \times 2 + 1 \frac{1}{8} \times 2 + 1 \frac{3}{8} = 8 \frac{1}{4}$ cups