

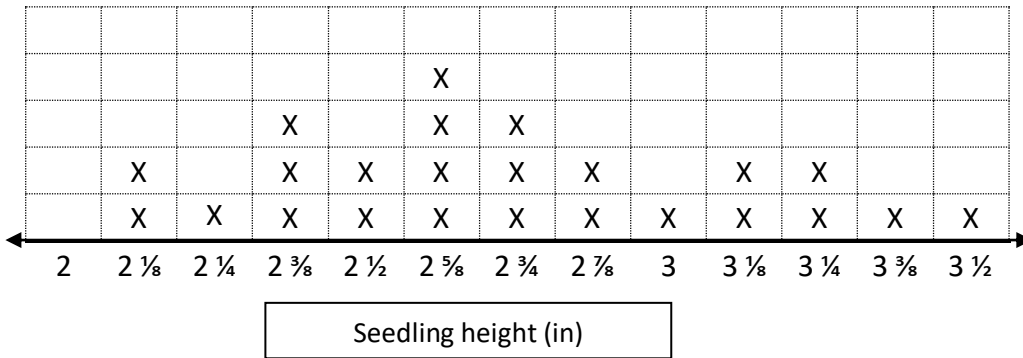
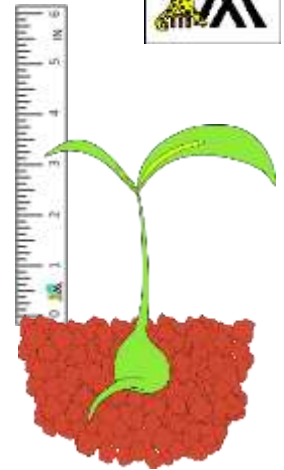
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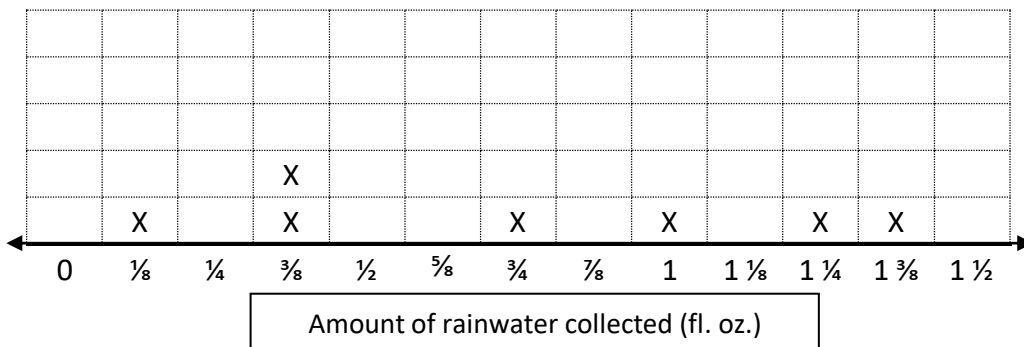
INTERPRETING LINE PLOTS SHEET 5:1

1) Sally is testing different growing conditions for her seedlings.
 She measures the height of each of the seedlings after a week.
 This line plot show the height of her 24 seedlings.



a) What is the difference in height between the tallest seedling and the shortest one?	
b) Half of the seedlings were less than 2 3/4 inches tall. True or false?	
c) What is the modal height of the seedlings?	
d) What fraction of the seedlings were over 2 3/4 inches tall?	

2) Tyger measures the amount of rainfall for each day for a week in a measuring cup.
 He records the amount of water he has collected each day in a line plot.



a) What is the difference between the amount collected on the wettest day to the amount collected on the driest?	
b) What is the median amount of rainwater collected?	
c) Add up all the liquid volumes and divide by 7 to find the mean amount of water collected each day.	

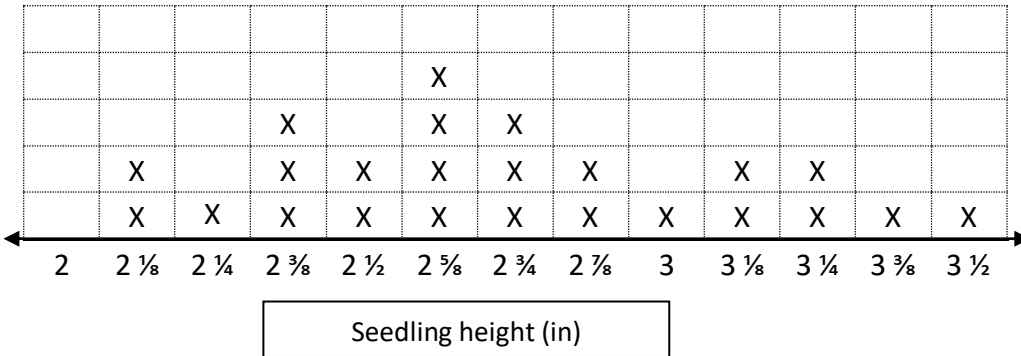
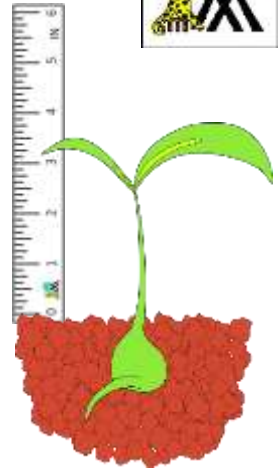
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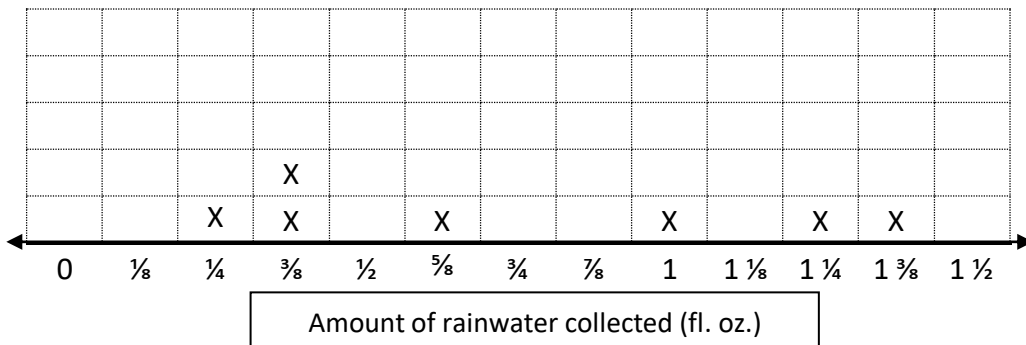
INTERPRETING LINE PLOTS SHEET 5:1 ANSWERS

1) Sally is testing different growing conditions for her seedlings. She measures the height of each of the seedlings after a week. This line plot show the height of her 24 seedlings.



a) What is the difference in height between the tallest seedling and the shortest one?	$3\frac{1}{2} - 2\frac{1}{8} = 1\frac{3}{8}$ in
b) Half of the seedlings were less than $2\frac{3}{4}$ inches tall. True or false?	True
c) What is the modal height of the seedlings?	$2\frac{5}{8}$ inches
d) What fraction of the seedlings were over $2\frac{3}{4}$ inches tall?	$\frac{9}{24}$ or $\frac{3}{8}$

2) Tyger measures the amount of rainfall for each day for a week in a measuring cup. He records the amount of water he has collected each day in a line plot.



a) What is the difference between the amount collected on the wettest day to the amount collected on the driest?	$1\frac{3}{8} - \frac{1}{4} = 1\frac{1}{8}$ fl. oz
b) What is the median amount of rainwater collected?	$\frac{5}{8}$ fl. oz.
c) Add up all the liquid volumes and divide by 7 to find the mean amount of water collected each day.	$\frac{3}{4}$ fl. oz.