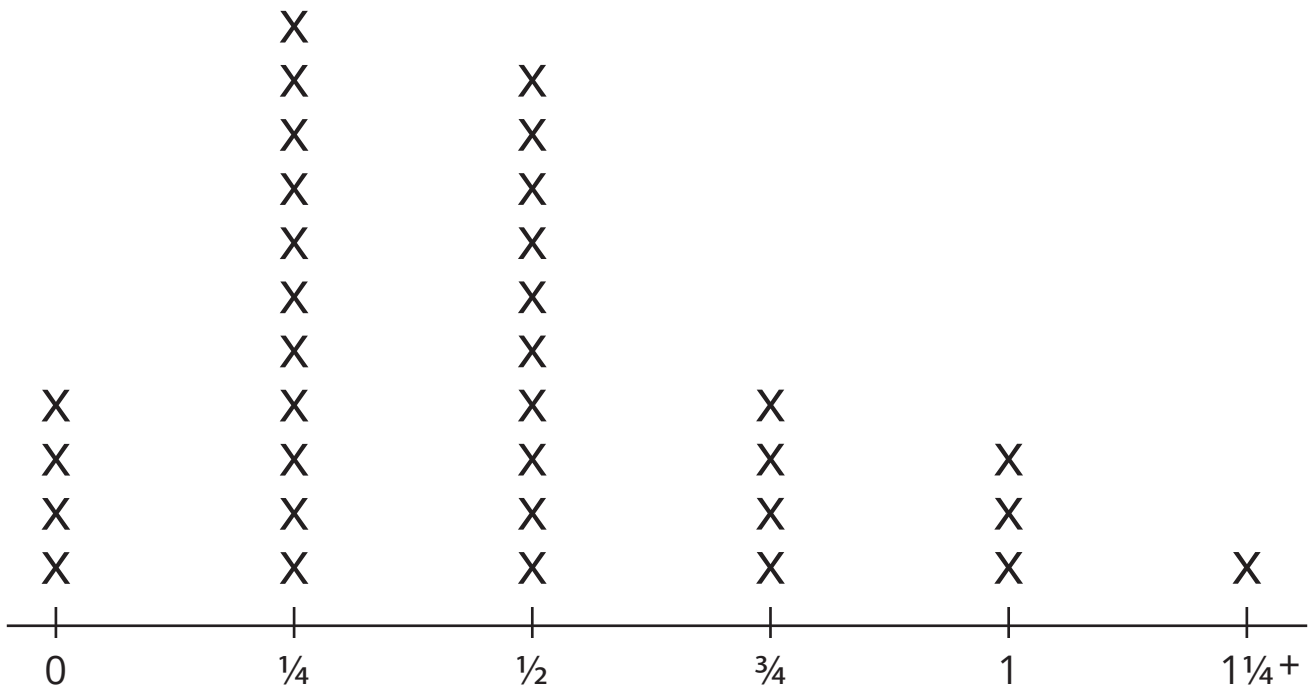
Interpreting Line Plots with Fractional Units

Name:_____ Date:_____

Use the line graph to answer the questions.

How Much do Kids Help Around the House?



Hours of Chores Done Per Day

Answer Sheet

1. How many students are not doing any chores at home at all? 4

2. What is the highest number of chores done at home per day in this graph? 1 ¼+

3. Is that actually the highest amount of chores per student in the class? Explain your answer.

We don't know. Some students may have read more but since the highest choice is 1 ¼+ hours or more we don't know what those X's actually represent.

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Answer Sheet

4. What is the most common number of hours of chores per day? ¼ hour

   How many students do that amount of chores? 11

5. If you were to add up all of the hours of chores done at home by students who do ¼ hour and ½ hour per day, how many children would there be? Explain your thinking.

7 hours and 45 min

6. If another class' data was made into a line plot, do you think it would probably look about the same or quite different? Why do you think that?

Answers will vary but you want to emphasize that each class is a different sample of readers but is unlikely to have a drastically different outcome. You could create a line plot with your class to test this theory.

7. If you were going to do a follow-up survey, what question might you ask to get more information about kids helping around the house?

Answers will vary.

8. Write two conclusions you can make from this graph.

   a. Answers will vary.

   b. Answers will vary.