Looking at Line Plots
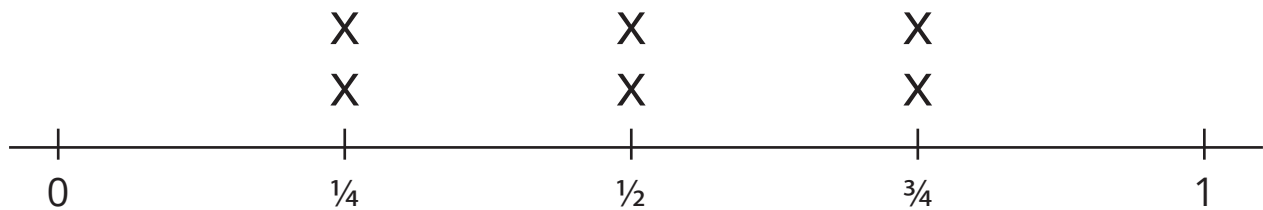
Name:_____   Date:_____

Read each scenario below. Look at the line plot and determine if the student answered the question correctly. Explain your reasoning.

Looking at Line Plots Answer Key (Sample Answers)

1. Jeff gathered data about several people who bought oranges at the grocery store. Two people bought ¼ pound of oranges, two people bought ½ pound of oranges, and two people bought ¾ pound of oranges. Jeff made the line plot below and said that 6 pounds of oranges were purchased in all.

```
        X           X           X
        X           X           X
  ──┼────────┼────────┼────────┼────────┼──
   0        ¼        ½        ¾        1
```
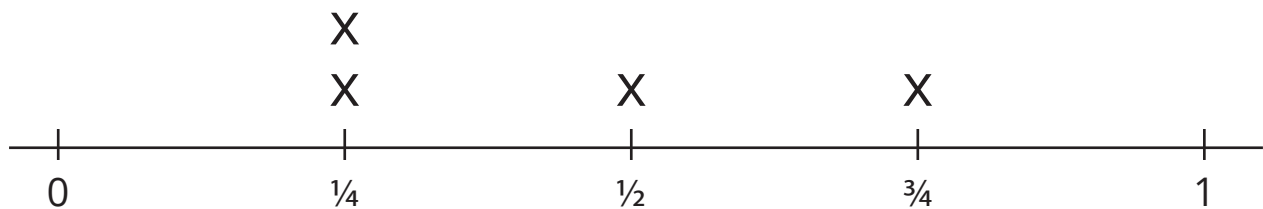
Is this answer correct? Why or why not?
No, it is not correct because he did not add the fractions correctly. He just counted the total number of X's.

How did Jeff get his answer?
Jeff placed the correct number of X's above each fraction. Instead of adding the fractions, he counted the total number of X's.

2. Jessica gathered data about the pounds of grapes bought at the farmers market. Two people bought ¼ pound of grapes. One person bought ½ pound of grapes. One other person bought ¾ pound of grapes. Jessica found that the people bought 1½ pounds of grapes in all.

```
        X
        X           X           X
  ──┼────────┼────────┼────────┼────────┼──
   0        ¼        ½        ¾        1
```

Is this answer correct? Why or why not?
Jessica placed the X's in the correct places but did not add the fractions correctly.

How did Jessica get her answer?
Jessica added ¼ pound to ¾ pound to get one pound. Then she added an extra ½ pound to get 1 ½ pounds. She forgot to add an extra ¼ pound.

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