

Use the data to create a line plot according to the guidelines shown at the right.

Mr. Nagy recorded how much of a mile each student in his gym class ran. The results are shown below.

$\frac{1}{2}$	$\frac{3}{4}$	$\frac{7}{8}$	$\frac{1}{4}$	$\frac{1}{2}$
$\frac{3}{4}$	$\frac{7}{8}$	$\frac{1}{4}$	$\frac{1}{2}$	$\frac{3}{4}$

#1

Give the plot a proper title, including units.

#2

Label the axis correctly.

#3

Plot the data accurately.



Use the data to create a line plot according to the guidelines shown at the right.

A television station wants to increase their advertising income. So they kept track of the fraction of each hour of programming that shows commercials. The data is shown below.

$\frac{1}{16}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{4}$	$\frac{1}{16}$	$\frac{1}{8}$	$\frac{1}{8}$
$\frac{1}{16}$	$\frac{1}{8}$	$\frac{1}{8}$				

#4

Give the plot a proper title, including units.

#5

Label the axis correctly.

#6

Plot the data accurately.



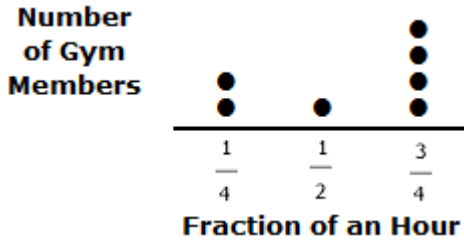
[#7] A number of fitness club members reported the time they spend exercising.

The data is shown in the box.

$\frac{3}{4}$	$\frac{1}{2}$	$\frac{3}{4}$	$\frac{1}{4}$	$\frac{3}{4}$	$\frac{1}{4}$
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Amount of Time Spent Exercising

What is the error that was made in creating the graph?



- (a) The graph shows the $\frac{3}{4}$ totals incorrectly.
- (b) The graph shows the $\frac{1}{2}$ totals incorrectly.
- (c) The horizontal axis is labeled incorrectly.
- (d) The horizontal axis values are in the wrong order.

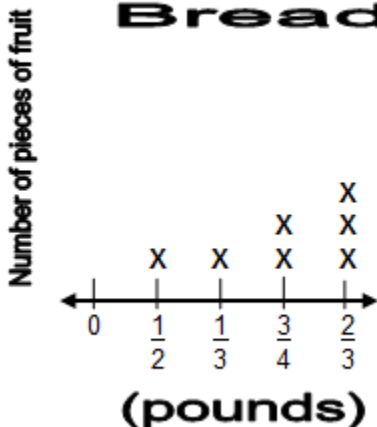
[#8] A restaurant is worried about the amount of food that is being wasted. The owner spent a week weighing the bread that has gone bad at the end of each day.

These values are shown below (representing fractions of a pound):

Sun	Mon	Tue	Wed	Thur	Fri	Sat
$\frac{2}{3}$	$\frac{3}{4}$	$\frac{1}{2}$	$\frac{2}{3}$	$\frac{1}{3}$	$\frac{3}{4}$	$\frac{2}{3}$

Weight of Leftover Bread

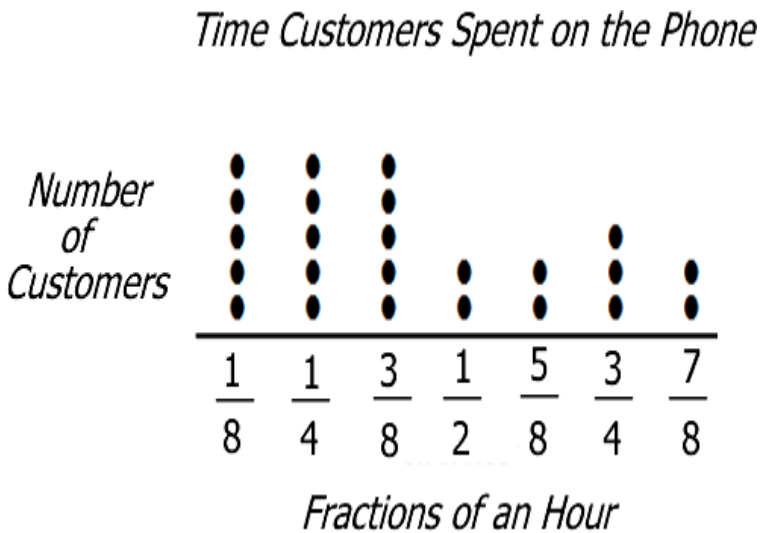
What is the error that was made in creating the graph?



- (a) The graph shows the $\frac{1}{2}$ totals incorrectly.
- (b) The graph shows the $\frac{1}{4}$ totals incorrectly.
- (c) The horizontal axis should be number of pieces.
- (d) The horizontal axis values are in the wrong order.

[#9] A cellular phone company collected data about how much time customers spend on the phone. The line plot displays the fraction of an hour customers spent on the phone on one day.

What is the mean (average) fraction of an hour that each customer talked on the phone?



Answer Choices

(a) $\frac{5}{12}$ of an hour

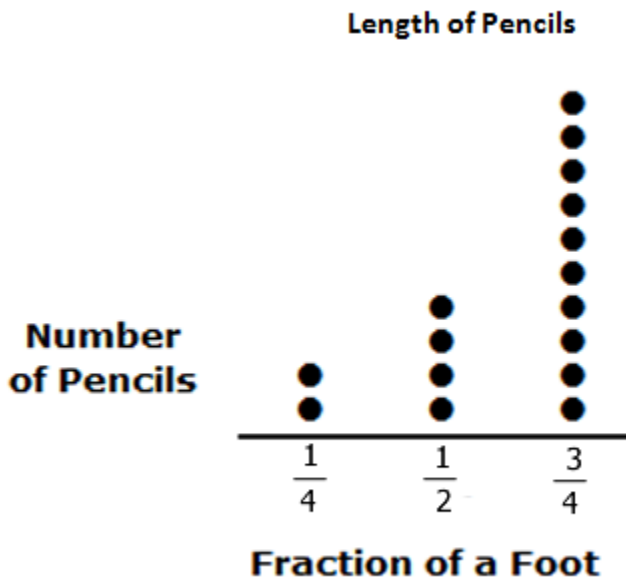
(b) $\frac{1}{4}$ of an hour

(c) $\frac{1}{2}$ of an hour

(d) $\frac{7}{12}$ of an hour

[#10] Margaret noticed some students in her class like to write with short pencils, while other were using long pencils. She measured the lengths of each student's pencil and displayed the results in a line plot.

If the lengths of the pencils were divided equally among the total number of pencils, what would be the length of each pencil?



#11 Use a premade plot to

Answer Choices

(a) $\frac{1}{2}$ of a foot

(b) $\frac{5}{8}$ of a foot

(c) $\frac{5}{10}$ of a foot

(d) $\frac{7}{8}$ of a foot

[#11] A hardware store owner wants to know which size wrenches are the most popular. The line plot shows the number of wrenches for each size that were purchases in one day.

How many *more* half-inch wrenches were sold than three-quarter inch wrenches?

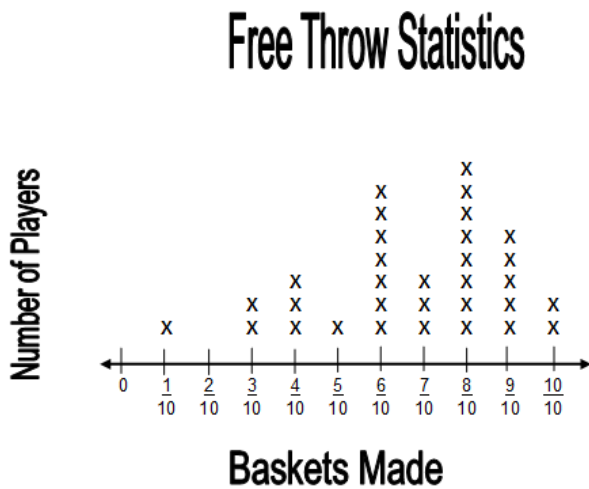


- Answer Choices
- (a) 2 wrenches
 - (b) 4 wrenches
 - (c) 6 wrenches
 - (d) 10 wrenches

[#12] A basketball coach instructed each player to shoot 10 free throws. When they were done, she asked each player how many shots went in.

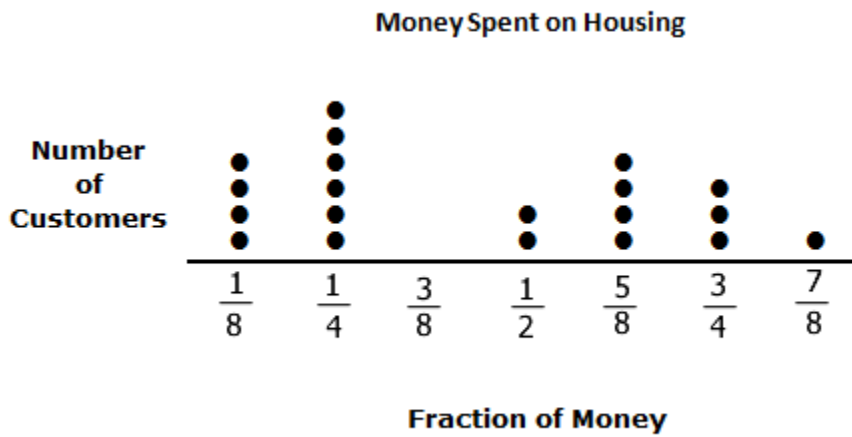
The line plot shows the number of made baskets for each player.

How many *fewer* players made 7 out of 10 than made 6 out of 10?



- Answer Choices
- (a) 3 players
 - (b) 4 players
 - (c) 7 players
 - (d) 10 players

[#13] A banking website asks customers what fraction of their money they spend on housing. The line plot displays the customers' responses. How many customers spent *at least* half of their money on housing?



Answer Choices

- (a) 7 customers
- (b) 8 customers
- (c) 10 customers
- (d) 12 customers