

Lesson 12.5

Name _____

Line Plots

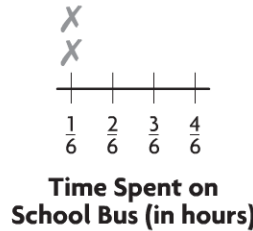
COMMON CORE STANDARD CC.4.MD.4

Represent and interpret data.

1. Some students compared the time they spend riding the school bus. Complete the tally table and line plot to show the data.

| Time Spent on School Bus | |
|--------------------------|-------|
| Time (in hours) | Tally |
| $\frac{1}{6}$ | |
| $\frac{2}{6}$ | |
| $\frac{3}{6}$ | |
| $\frac{4}{6}$ | |

| Time Spent on School Bus (in hours) | |
|--|---------------|
| $\frac{1}{6}$ | $\frac{3}{6}$ |
| $\frac{4}{6}$ | $\frac{2}{6}$ |
| $\frac{3}{6}$ | $\frac{1}{6}$ |
| $\frac{3}{6}$ | $\frac{3}{6}$ |



Use your line plot for 2 and 3.

2. How many students compared times? _____
3. What is the difference between the longest time and shortest time students spent riding the bus? _____

Problem Solving

For 4–5, make a tally table on a separate sheet of paper. Make a line plot in the space below the problem.

4.

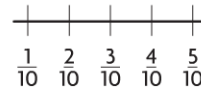
| Milk Drunk at Lunch (in quarts) | |
|------------------------------------|---------------|
| $\frac{1}{8}$ | $\frac{2}{8}$ |
| $\frac{2}{8}$ | $\frac{4}{8}$ |
| $\frac{1}{8}$ | $\frac{3}{8}$ |
| $\frac{4}{8}$ | $\frac{2}{8}$ |
| $\frac{3}{8}$ | $\frac{2}{8}$ |

5.

| Distance Between Stops for a Rural Mail Carrier (in miles) | |
|--|----------------|
| $\frac{3}{10}$ | $\frac{4}{10}$ |
| $\frac{5}{10}$ | $\frac{1}{10}$ |
| $\frac{5}{10}$ | $\frac{4}{10}$ |
| $\frac{4}{10}$ | $\frac{4}{10}$ |
| $\frac{3}{10}$ | $\frac{3}{10}$ |



**Milk Drunk at Lunch
(in quarts)**



**Distance Between Stops for
a Rural Mail Carrier (in miles)**

Lesson Check (CC.4.MD.4)

Use the line plot for 1 and 2.

1. How many students were reading during study time?

(A) 5 (C) 7
(B) 6 (D) 8

2. What is the difference between the longest time and shortest time spent reading?

(A) $\frac{4}{8}$ hour (C) $\frac{2}{8}$ hour
(B) $\frac{3}{8}$ hour (D) $\frac{1}{8}$ hour



Time Spent Reading During Study Time (in hours)

Spiral Review (CC.4.NF.5, CC.4.MD.1)

3. Bridget is allowed to play on-line games for $\frac{75}{100}$ of an hour each day. Which shows that fraction as a decimal? (Lesson 9.3)

(A) 75.0
(B) 7.50
(C) 0.75
(D) 0.075

4. Bobby's collection of sports cards has $\frac{3}{10}$ baseball cards and $\frac{39}{100}$ football cards. The rest are soccer cards. What fraction of Bobby's sports cards are baseball or football cards? (Lesson 9.6)

(A) $\frac{9}{100}$ (C) $\frac{52}{100}$
(B) $\frac{42}{100}$ (D) $\frac{69}{100}$

5. Jeremy gives his horse 12 gallons of water each day. How many 1-quart pails of water is that? (Lesson 12.4)

(A) 24 (C) 72
(B) 48 (D) 96

6. An iguana at a pet store is 5 feet long. Measurements for iguana cages are given in inches. How many inches long is the iguana? (Lesson 12.2)

(A) 45 inches (C) 60 inches
(B) 50 inches (D) 72 inches