

Line Plot: Class-Height Data

Lesson 6-4

DATE

TIME



- 1 My height to the nearest $\frac{1}{2}$ inch is _____.
- 2 The largest value in the data set is _____.
- 3 The smallest value in the data set is _____.
- 4 A good number for the line plot to **begin** with is _____.
- 5 A good number for the line plot to **end** with is _____.
- 6 We measured each student to the nearest _____ inch, so we should label the number line with _____ inches.

Using a Line Plot to Solve Problems

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Use your line plot about student height data to solve the following problems.

- 1 How many students are included in your data set? _____
- 2 What is the most common height represented in your data set? _____ inches
- 3 How many students in your class are 55 or more inches tall? _____
- 4 What is the difference between the largest height measurement and the smallest height measurement? _____ inches

Explain how you solved the problem.

- 5 What is the total combined height of all the students in your class? _____ inches

Show how you solved the problem.

- 6 Imagine that you and your classmates decided to lie down on a baseball field, starting at home plate and placing yourselves head-to-toe along the first base line. How close would you come to reaching first base? (The distance from home plate to first base is 90 feet.)

- We would cover the exact distance from home plate to first base.
- We would not reach all the way to first base. We would be short by _____.
- We would go past first base. We would go past by _____.

Explain how you solved the problem.
