Interpret Measurement Data

Let's represent and make sense of data in line plots.

Warm-up

Number Talk: Addition within 50

Find the value of each expression mentally.

- $15 + 5 + 1$
- $25 + 6$
- $16 + 7$
- $37 + 6$

Activity 1

The Plant Project

Use the data in this table. Create a line plot.

Group B	plant heights (centimeters)
Andre	33
Clare	25
Diego	27
Elena	25
Han	35
Jada	33
Kiran	26
Noah	30
Priya	26
Tyler	33

Activity 2

Interpret Measurement Data on a Line Plot

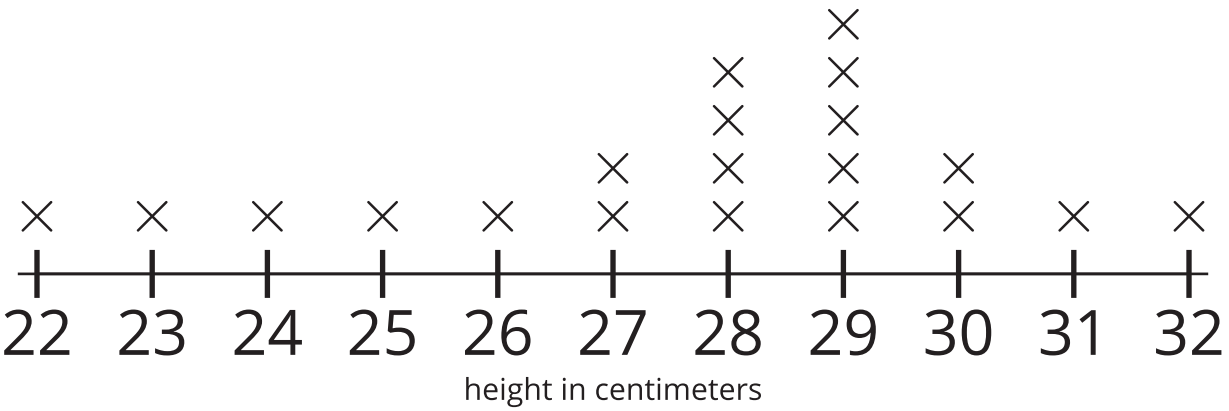
The Plant Project

Answer the questions using your line plot.

1. What is the shortest plant height?

2. What is the tallest plant height?

3. What is the height difference between the tallest and shortest plants? Write an equation.



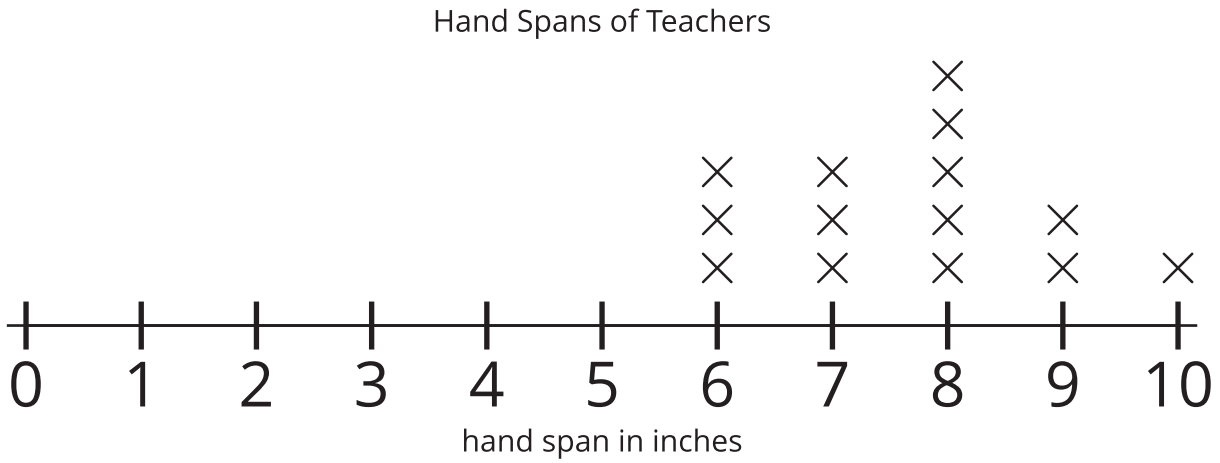
4. Han looks at this line plot. He says the tallest plant is 29 centimeters. Do you agree? Explain your reasoning.

5. How many plants were measured in all?

6. Write a statement about Han's line plot.

Section C Summary

We learned about a new kind of graph. A **line plot** shows data with Xs or other marks above a line with numbers. Each mark represents 1 number or 1 measurement. Line plots look like a ruler or a tape measure. We made our own line plots. Then we used them to answer questions about data.



This line plot shows data about hand spans of teachers. The line with numbers shows inches, like a ruler. Each X represents the hand span of 1 teacher.

We know that 5 teachers have a hand span of 8 inches because there are 5 Xs above the 8.