

Scientist's Equations Answer Key

- 1) 8.2 cm
- 2) 3.2 cm
- 3) 1.3 cm
- 4) 1.7 cm
- 5) 22.4 cm
- 6) 5.8 cm
- 7) Plant E. It exceeded Plant C by 1.3 cm.
- 8) 6.7 cm
- 9) 5.0 cm
- 10) Greater than 20 cm. The total is 22.4 cm.

Teacher's Guide

- Implementation tips
 - o Review the data before students begin and discuss what each value represents.
 - o Encourage students to identify the required operation before calculating.
- Differentiation strategies
 - o Have students underline key words such as "altogether," "difference," "shared equally," and "twice."
 - o Allow students to use scratch paper to organize multi-step calculations.
- Engagement ideas
 - o Ask students to predict which operation each question requires before solving.
 - o Let pairs compare strategies for solving the same problem.
- Extension activities
 - o Have students create two additional questions using the same data set.
 - o Ask students to write a short paragraph describing what the plant growth data shows, using evidence from the calculations.