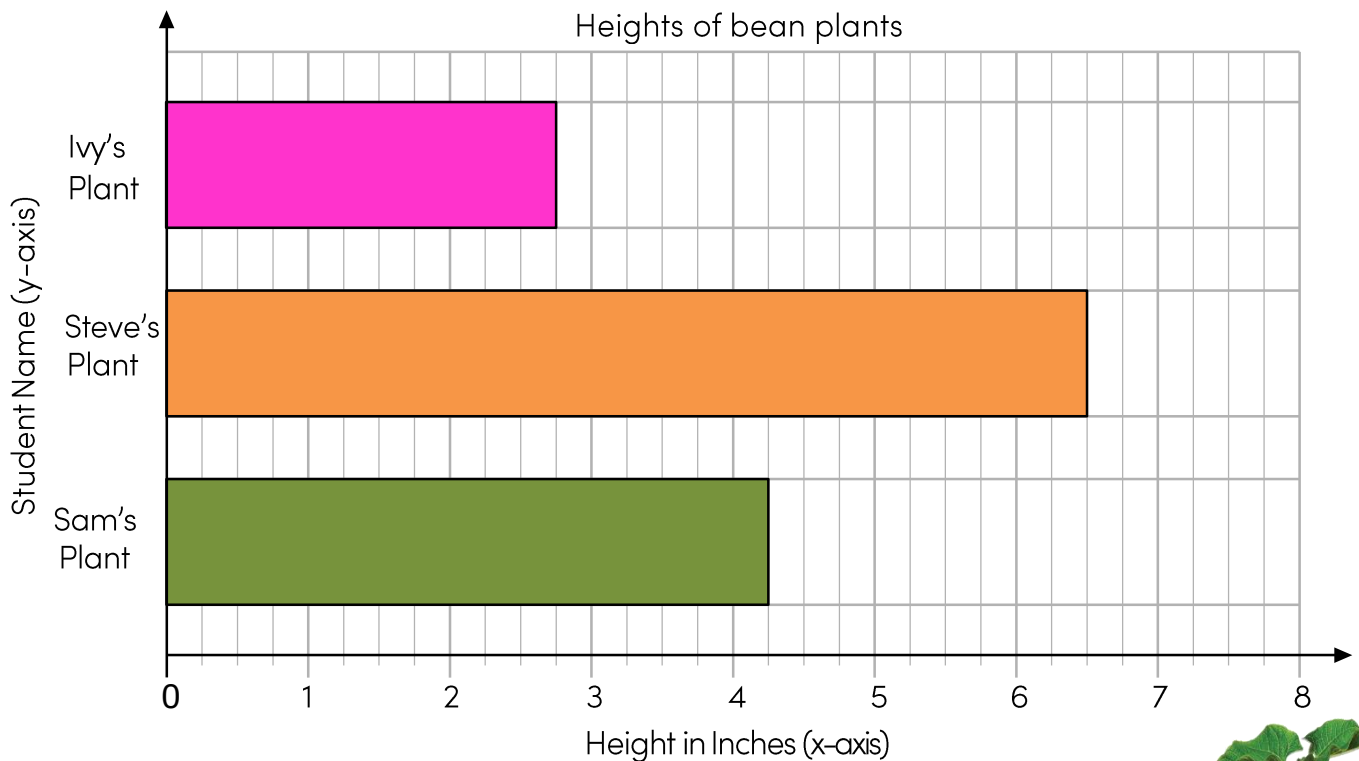# Bar Graphs

Name _____ Date _____

Bean Plant Bar Graph

In Mr. John's class, lima bean seeds were planted by the students. Two weeks later, they recorded the height of their bean plants and presented the data in a graph.

Heights of bean plants

Student Name (y-axis)

Ivy's Plant

Steve's Plant

Sam's Plant

0   1   2   3   4   5   6   7   8

Height in Inches (x–axis)

1. Write the height of every student's plant as the endpoint of each bar in the graph.

2. How much taller did Sam's plant grow than Ivy's?

3. How much shorter is Sam's plant than Steve's?

4. If Steve's plant had only grown half as tall, what would its height be?

5. Sam said to Ivy, "My plant is twice as tall as yours." Is he correct? Explain.
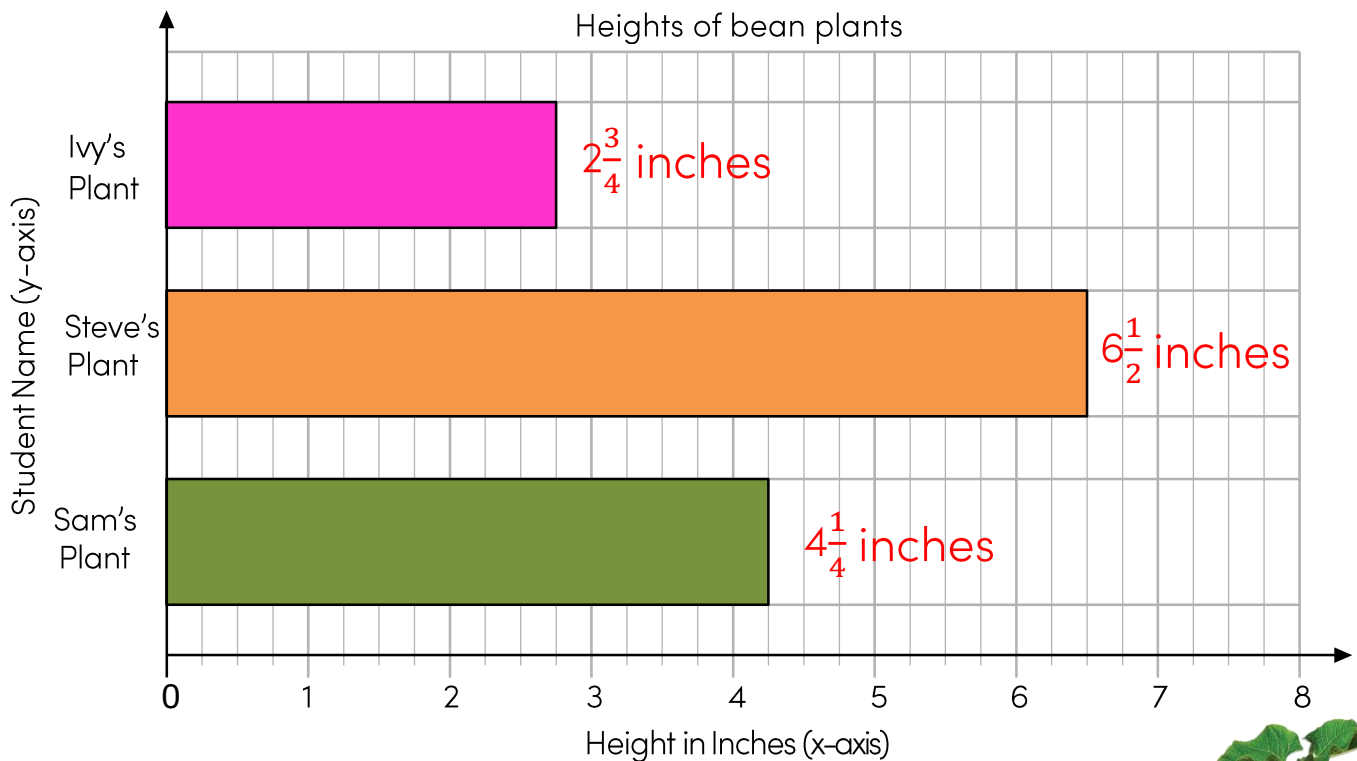
Answer Key

Name _____ Date _____

Bean Plant Bar Graph

In Mr. John's class, lima bean seeds were planted by the students. Two weeks later, they recorded the height of their bean plants and presented the data in a graph.

Heights of bean plants

Student Name (y-axis)

Ivy's Plant — $2\frac{3}{4}$ inches

Steve's Plant — $6\frac{1}{2}$ inches

Sam's Plant — $4\frac{1}{4}$ inches

0   1   2   3   4   5   6   7   8

Height in Inches (x–axis)

1. Write the height of every student's plant as the endpoint of each bar in the graph.

2. How much taller did Sam's plant grow than Ivy's? — $1\frac{1}{2}$ inches

3. How much shorter is Sam's plant than Steve's? — $2\frac{1}{4}$ inches

4. If Steve's plant had only grown half as tall, what would its height be? — $3\frac{1}{4}$ inches

5. Sam said to Ivy, "My plant is twice as tall as yours." Is he correct? Explain. No

Sam's plant is actually less than twice as tall $4\frac{1}{4}$ inches $<$ $5\frac{1}{2}$ inches