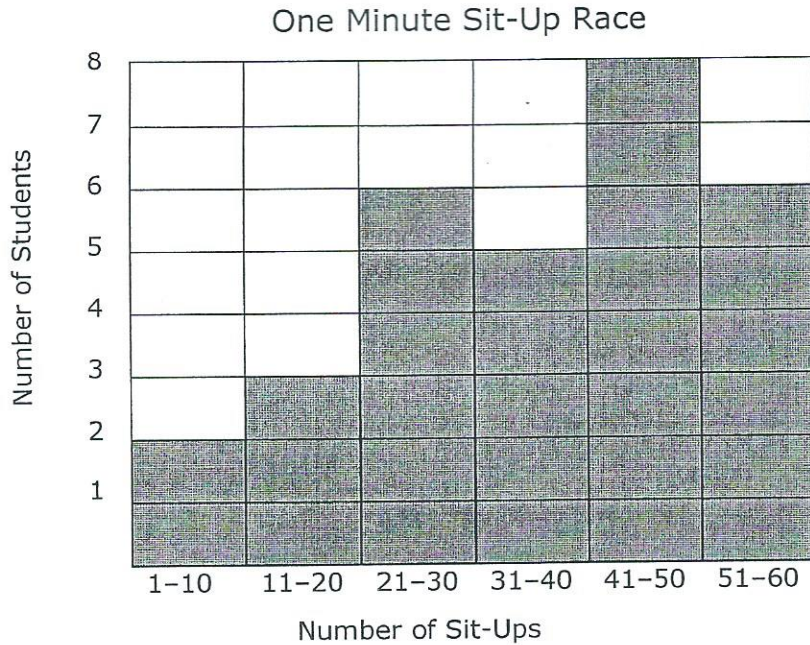


## Histograms and Scatterplots

1. The graph below displays the number of sit-ups completed in one minute by a group of students.



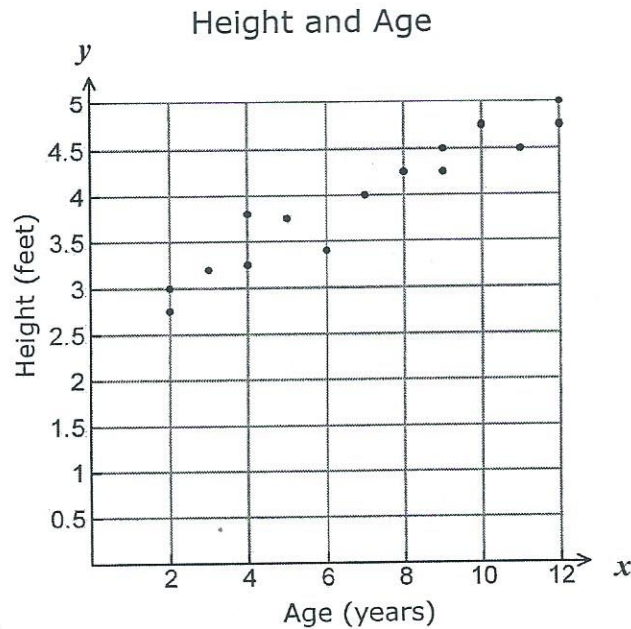
Data List

- Which interval was the most common among the students?
- What percent of the students completed 31–40 sit-ups? Explain your reasoning.
- Create a possible data list that represents the graph and record in the Data List above.
- Use the **True or False Cards** and determine which cards are for this graph. Then, determine if each statement is true or false and place it in the correct location below.

True	False

- Change each false statement to a true statement. Write the changes on the card above.

2. On Tuesday several patients visited Dr. McLeroy for their annual check-up. The scatterplot below shows the heights of his patients in relationship to their ages.



- If the pattern continues what do you predict would be the height of 13-year-old patient?
- What do you predict would be the age of a patient who was 38 inches tall?
- Describe the correlation between the age of the patients and the height of the patients.
- Use the **True or False Cards** and determine which cards are for this graph. Then, determine if each statement is true or false and place it in the correct location below.

True	False

- Change each false statement to a true statement. Write the changes on the card above.