

Name:

Class:

Date:

## Activity 5.1B: Communicating Results

### Instructions

Read the following scenario. Use the information provided to create the charts and graphs requested.

### Scenario

A group of high school students wanted to examine the agricultural familiarity of freshmen and sophomore students in their school. They developed a five-question survey and randomly selected 10 students from each grade to complete the survey. The results of the survey are shown below.

Student #	Grade	GPA	On a scale from 1–10, how involved are you with agriculture?	Do you want to pursue a career in agriculture?	Are you an FFA member?	What type of setting do you live in? (rural, suburban, or urban)
1	9	3.5	6	Yes	Yes	Suburban
2	9	3.1	4	No	No	Urban
3	9	2.0	1	No	No	Rural
4	9	4.0	10	Yes	Yes	Rural
5	9	3.0	5	Maybe	No	Suburban
6	9	1.5	10	Yes	Yes	Rural
7	9	3.4	8	Maybe	Yes	Urban
8	9	3.7	9	Yes	Yes	Urban
9	9	4.0	3	No	No	Urban
10	9	3.2	7	Maybe	No	Suburban

Student #	Grade	GPA	On a scale from 1–10, how involved are you with agriculture?	Do you want to pursue a career in agriculture?	Are you an FFA member?	What type of setting do you live in? (rural, suburban, or urban)
11	10	3.4	9	Yes	Yes	Urban
12	10	1.9	6	Maybe	No	Suburban
13	10	2.6	2	No	No	Rural
14	10	3.9	10	Yes	No	Rural
15	10	2.8	5	No	No	Urban
16	10	3.3	6	Maybe	Yes	Suburban
17	10	3.0	9	Maybe	Yes	Suburban
18	10	3.6	8	Yes	Yes	Rural
19	10	4.0	1	No	No	Urban
20	10	2.4	9	Maybe	No	Rural

1. On a separate sheet of paper, draw a pie chart showing the breakdown of students who took this survey based on the setting in which they live.
2. On a separate sheet of paper, draw a bar chart showing student involvement in agriculture (use a scale of 1–10).
3. On a separate sheet of paper, create a scatter plot depicting the GPAs of the 20 students who completed the survey.