Name: _____   **Date:** _____

Directions: Solve for each of the problems.

1. A book club has 5 fourth-grade girls, 4 third-grade boys, 8 third-grade girls, and 3 fourth-grade boys. Which table correctly shows this information?

a.

Students in Book Club

	3rd Grade	4th Grade
Boys	4	3
Girls	8	5

b.

Students in Book Club

	3rd Grade	4th Grade
Boys	3	4
Girls	5	8

c.

Students in Book Club

	3rd Grade	4th Grade
Boys	5	4
Girls	8	3

d.

Students in Book Club

	3rd Grade	4th Grade
Boys	4	8
Girls	3	5

2. Correctly label the bar graph below with the correct x-axis, y-axis, and title.

[_____]

[_____]

(bar graph: Swimming 6, Basketball 5, Baseball 8, Tennis 4)

[_____]

Favorite Summer Sport	Sport	Number of Votes
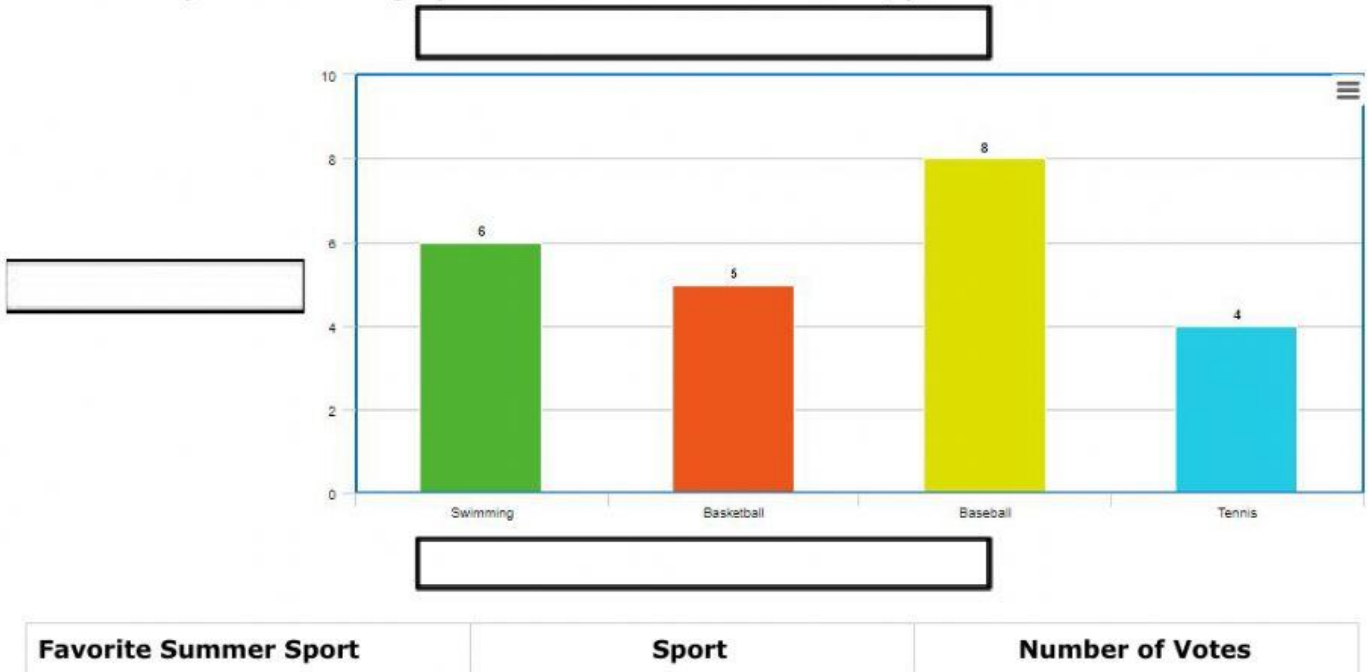
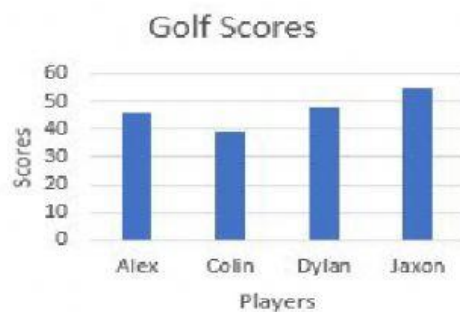**3. Correctly label the line graph below with the correct x-axis, y-axis, and title.**
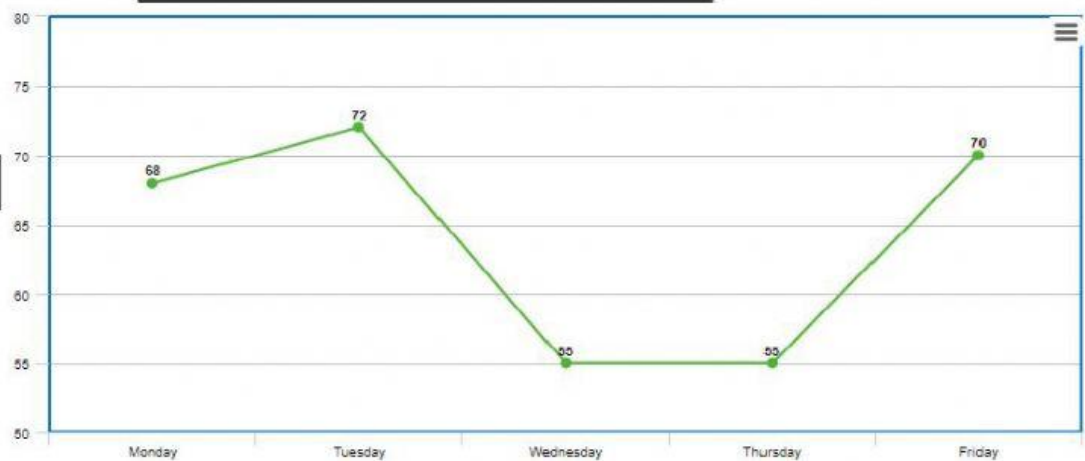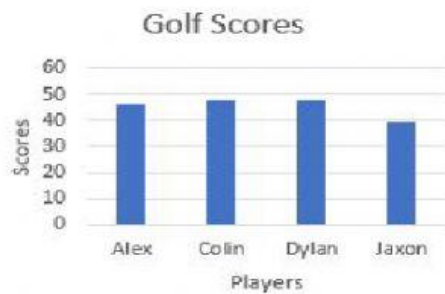

Temperature Change	Days of the Week	Daily Temperature

4. Choose the bar graph that matches the data chart correctly.

Golf Scores	
Alex	46
Colin	48
Dylan	48
Jaxon	39
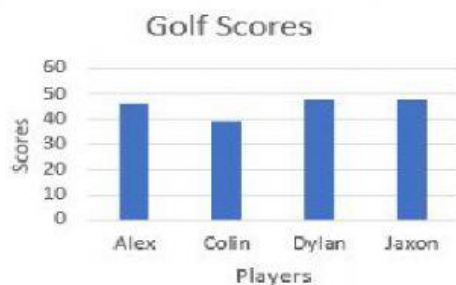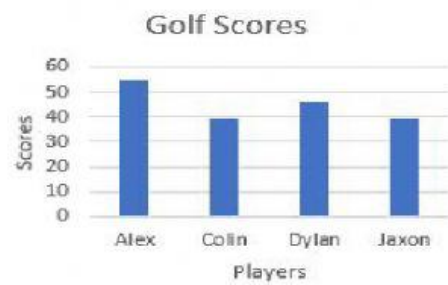
For questions 5 and 6, use the graph below to answer the questions.

Books Read

Number of Books — Month

Jan. 600, Feb. 800, Mar. 400, Apr. 400, May 200, Jun. 200
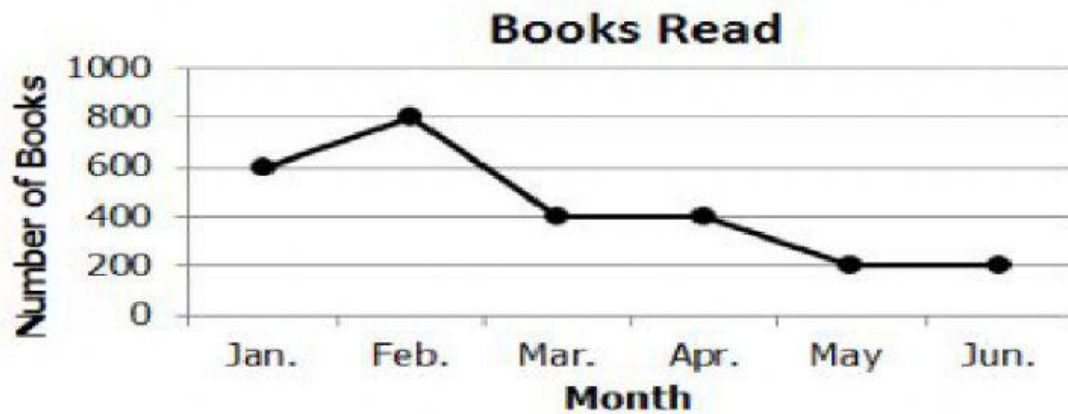
5. According to the information in the graph, between which two months was there the biggest decrease in books read?

a. March and April	b. January and February
c. May and June	d. February and March

6. The graph above shows the number of books read by the 6th grade class for a six-month period. Which statement is NOT true about the books read?

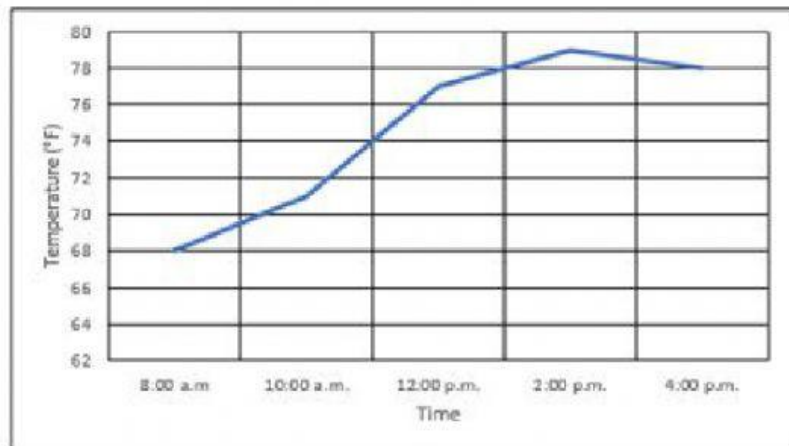| a. May and June combined were not as many as February. |
| --- |
| b. More books were read in March than June. |
| c. Students read more books in January than February. |
| d. The books read in February were double those read in April. |

For questions 7 and 8, use the chart and graph below to answer the questions.

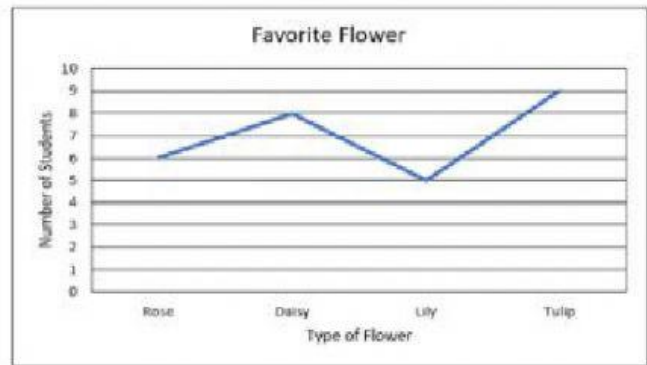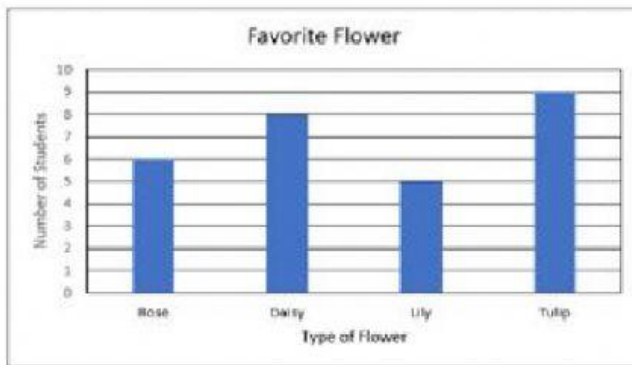| Time	Temperature (°F)
8:00 a.m	68
10:00 a.m.	71
12:00 p.m.	77
2:00 p.m.	79
4:00 p.m.	78

7. Which sentence is true?

a. It is easier to find the temperature at 11:00 a.m. on the line graph than in the table.
b. It is easier to find the temperature at 11:00 a.m. in the table than on the line graph.
c. The line graph does not have all of the information from the table.
d. The table has incorrect information that is not on the line graph.

8. What can you infer the temperature would be at 6:00 p.m.?

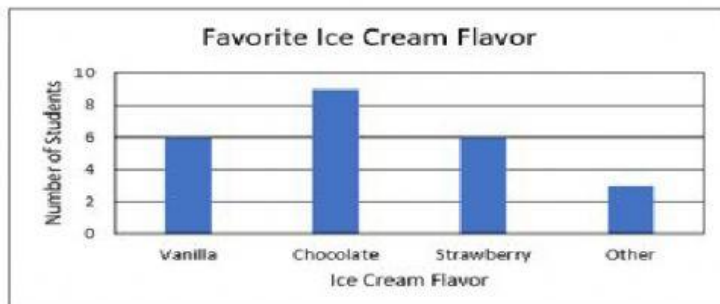| |
|---|
| a. The temperature will go up. |
| b. The temperature will go down. |
| c. The temperature will stay the same. |
| d. The temperature cannot be determined based on the graph. |

9. Michael asked students to vote for their favorite flower. He made two graphs to show the votes.

Favorite Flower (bar graph) — Type of Flower vs. Number of Students

Favorite Flower (line graph) — Type of Flower vs. Number of Students

Which sentence is true?

a. The line graph better shows the data because it helps compare increasing and decreasing flower types.
b. The bar graph better shows the votes because it shows how the votes change over time.
c. The line graph better shows the votes because it shows how the votes change over time.
d. The bar graph better shows the votes because it helps compare the number of students for each flower type.

10. The bar graph and pictograph both show students' favorite ice cream flavor.

Favorite Ice Cream Flavor (bar graph) — Ice Cream Flavor vs. Number of Students

Favorite Ice Cream Flavor	
Flavor	**Number of Students**
Vanilla	🍦🍦
Chocolate	🍦🍦🍦
Strawberry	🍦🍦
Other	🍦

Key	🍦 = 3 students

Compare the bar graph and pictograph. Which sentence is true?

a. The bar graph helps to compare how the votes changed over time.
b. The bar graph uses pictures to represent the number of votes for favorite flavors of ice cream.
c. The pictograph uses pictures to represent the number of votes for favorite flavors of ice cream.
d. The pictograph helps to compare how the votes changed over time.