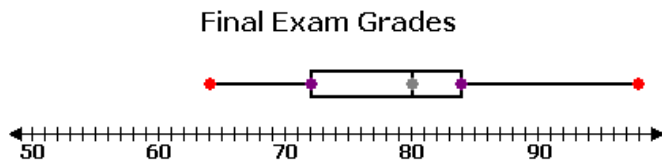


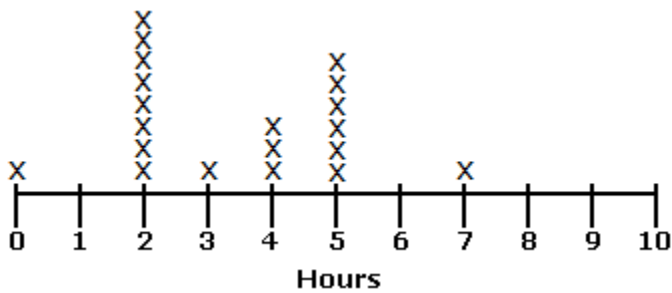
1. Mr. Snowdon posted the final exam grades for Algebra II in the hallway as soon as the tests were graded. The data is represented on the box plot below.



Which set of data below represents the interquartile range and the median, in that order?

- ☐ A. 34, 80
- ☐ B. 80, 64
- ☐ C. 12, 80
- ☐ D. 24, 98

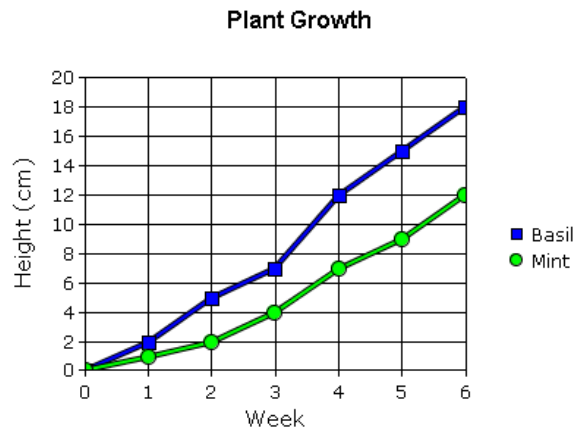
2. The line plot below shows the number of hours each student in Ms. Smith's class exercise each week. What is the median of the data in the graph?



Each X represents one student.

- ☐ A. 3.7
- ☐ B. 3.4
- ☐ C. 3.5
- ☐ D. 2.5

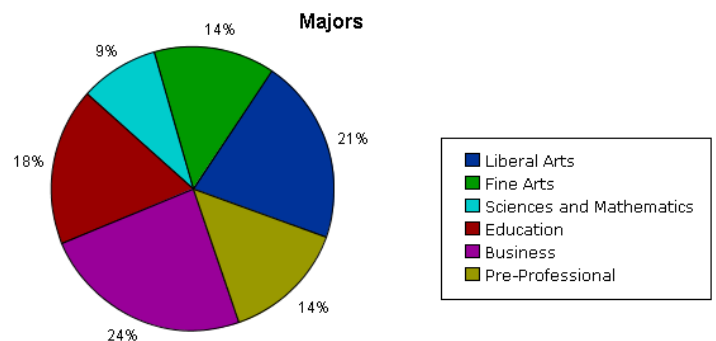
3. Halle planted mint and basil seeds in her herb garden. She measured the height of each herb plant at the end of each week for six weeks. The results are shown in the line graph below.



What is the difference to the nearest tenth in the mean growth per week for both herbs during the six weeks shown in the graph?

- ☐ A. 4 ^{cm}/week
- ☐ B. 0.9 ^{cm}/week
- ☐ C. 1.2 ^{cm}/week
- ☐ D. 1 ^{cm}/week

4.

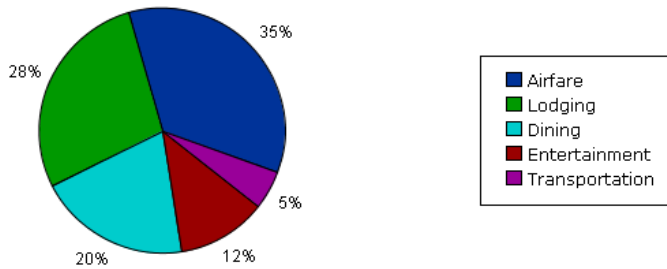


A university employee made the given circle graph that shows the number of majors by department for the previous year. If the university is expecting 1,100 incoming freshman this year, use the graph to predict the number of freshman who will be majoring in either science or mathematics.

- ☐ A. 990
- ☐ B. 198
- ☐ C. 99
- ☐ D. 264

5.

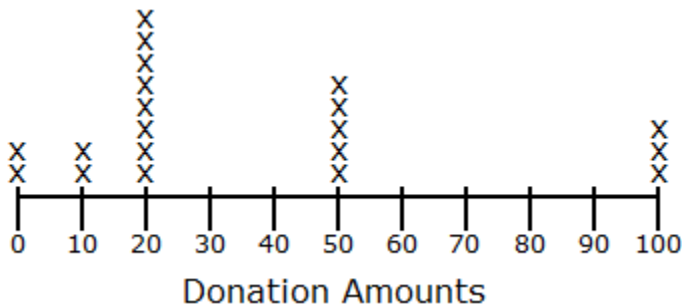
Vacation Budget



A travel agent made the given circle graph. The graph represents the typical vacation budget of clients to a particular destination for the previous year. If one of the agent's clients chooses to go to this destination this year, which category could they expect to be their second largest expenditure?

- ☐ A. Lodging
- ☐ B. Entertainment
- ☐ C. Dining
- ☐ D. Transportation

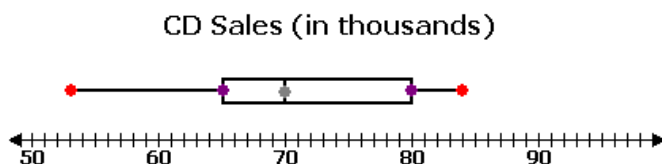
6. The following line plot shows the number of donations received during a charity drive. What is the median of the data in the graph?



Each X represents one donation.

- ☐ A. \$35.00
- ☐ B. \$50.00
- ☐ C. \$25.00
- ☐ D. \$20.00

7. The number of CD sales for a new musical group over a six-month period are represented by the box plot below.

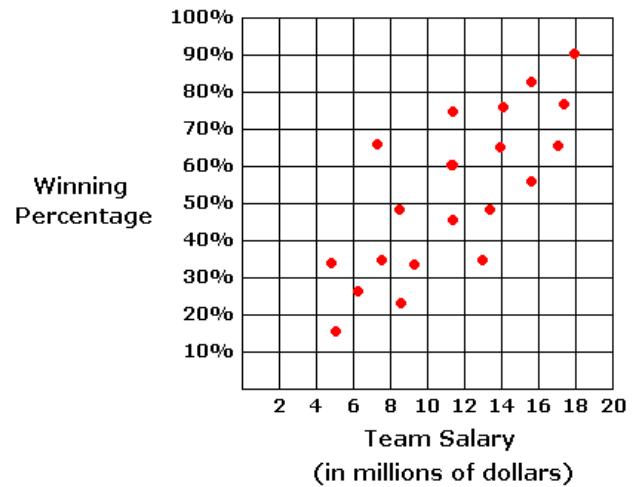


Which set of data below represents the first quartile and the third quartile, in that order?

- ☐ A. 70, 84
- ☐ B. 53, 80
- ☐ C. 53, 65
- ☐ D. 65, 80

8. The graph below shows the relationship between a team's salary and their winning percentage in a professional sports league.

League Data

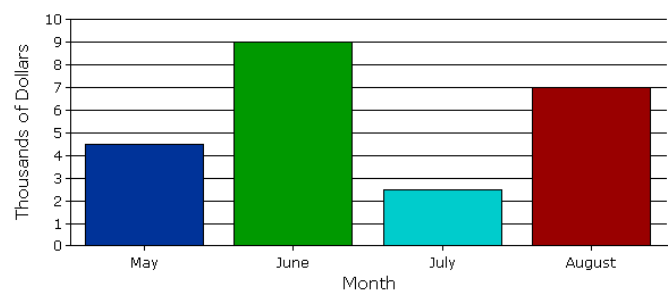


Which of the following is a valid conclusion based on the graph?

- ☐ A. As a team's salary increases, its winning percentage decreases.
- ☐ B. There is no relationship between a team's salary and its winning percentage.
- ☐ C. As a team's salary decreases, its winning percentage increases.
- ☐ D. As a team's salary increases, its winning percentage increases.

9.

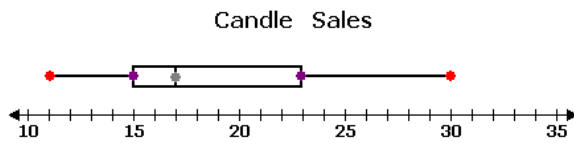
Summer Sales



A company made a bar graph showing the amount of sales for each month in thousands of dollars. Which of the following is closest to the median amount of sales for the four-month period?

- ☐ A. \$5,250
 - ☐ B. \$5,750
 - ☐ C. \$5,500
 - ☐ D. \$7,000
-

10. Margaret sold candles for a fundraiser for school. The number she sold per day over a three-week period are represented by the box plot below.



What is the interquartile range of her data?

- ☐ A. 19
 - ☐ B. 8
 - ☐ C. 15
 - ☐ D. 23
-