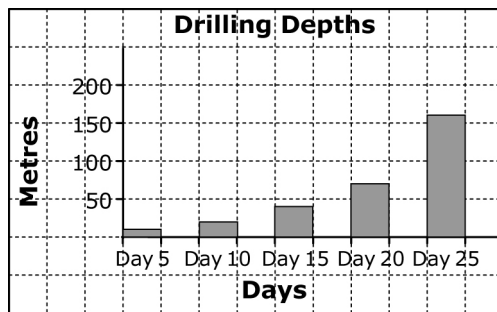


Section 4.2 Extra Practice

1. Rory works as a drilling foreman on an oil rig. He recorded the depth of the drilling site and displayed the data in a graph.



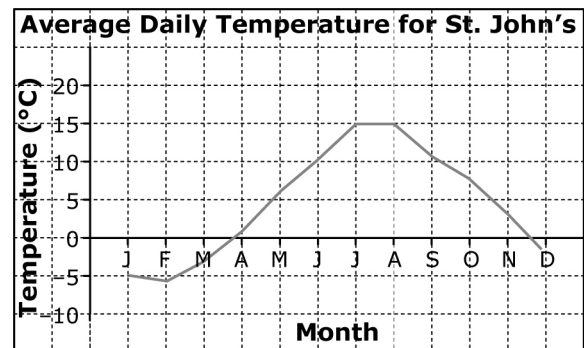
Determine the approximate drilling depths for each day.

- Day 1
 - Day 28
 - Day 6
 - Day 12
2. The table below shows data collected on people's wrist size compared to their height.

Wrist Size (cm)	Height (cm)
14	148
15	162
16	167
17	180

- Represent the data in a graph.
- Determine the approximate height of a person with a wrist size of 15.5 cm.
- Determine the approximate wrist size of a person with a height of 191 cm.

3. The graph below represents the average daily temperature for St. John's, NL.



- John is planning a trip to St. John's and is wondering what to pack. He is planning to travel during June or July. What temperature should he expect during his trip?
- John is planning a second trip to St. John's to conduct research on a rare plant in eastern Newfoundland. The research must be conducted when the temperature is between 0°C and 5°C. What months can John conduct his research?
- What other factors should John consider to help decide when to conduct his research?

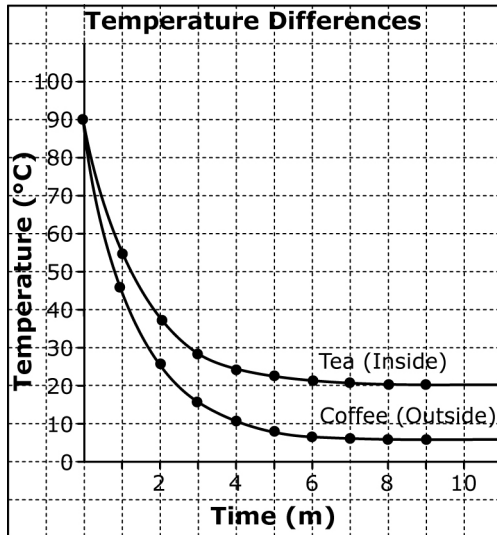


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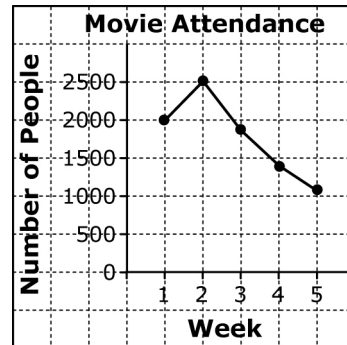
BLM 4-6
(continued)

4. The temperatures of two hot beverages are displayed in the graph below. The cup of tea was kept in the kitchen, and cup of coffee was put outside.



- Describe the trend in the temperature of the tea.
- Describe the trend in the temperature of the coffee.
- Compare and contrast the trends. Explain possible reasons for the similarities and differences.

5. Rachel tracked the number of people who attended a movie for one month since its opening weekend.



- Describe the change in the number of people going to the movie throughout the month. Is this typical for a new movie? Explain.
- Would a bar graph accurately represent the data? Why or why not?



6. The table below shows the percent of students, by age, who had a full-time summer job last year.

Age	Percent With Full-Time Summer Job
15	20
16	40
17	75
18	80
19	85

- Draw an appropriate graph to represent the data.
- What trend is evident in the age of student and the percent of student who work full-time in the summer?
- Would another type of graph show the same trend? If so, what type? Explain.

7. Mark runs an after-school tutoring program. He receives funding each year based on the number of registered students. He is trying to determine if the tutoring program needs increased funding over the next five years. He gathers information about the number of students registered in the tutoring program for the last five years.

Year	Number of Students
2007	84
2008	102
2009	128
2010	130
2011	132

- Create a graph to represent the data.
- Describe the trend in the graph.
- Would you recommend that the tutoring program receive more funding over the next five years? Explain.

