

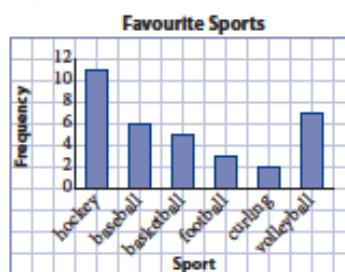
Prerequisite Skills

Numeracy Skills

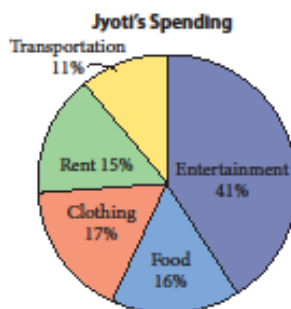
- Order the numbers in each set from least to greatest.
 - 5, 4, 11, 9, 15, 7, 8, 1, 5, 19, 4, 9
 - 3, 3, 5, 7, 1, 3, 5, 6, 9, 11, 12, 6, 4, 2, 2, 1
 - 5, 8, 1, -3, 0, 12, -11, 4, 5, 1, 7, -3, -5
 - $\frac{1}{2}, \frac{5}{8}, \frac{1}{4}, \frac{3}{16}$
- Evaluate. Round your answer to two decimal places, if necessary.
 - $\frac{14 + 16 + 22 + 75 + 85 + 35}{6}$
 - $\frac{5 + 11 + 4 + 7 + 15 + 12 + 22 + 8}{8}$
 - $\frac{77 + 54 + 71 + 51 + 64 + 88 + 90}{7}$
 - $\frac{38 + 45 + 56 + 76 + 83}{5}$
 - $\frac{2.2 + 2.4 + 3.7 + 7.1 + 4.5 + 5.9 + 7.7 + 1.3}{8}$
- Evaluate. Round your answer to two decimal places, if necessary.
 - $\sqrt{121}$
 - $\sqrt{47}$
 - $\sqrt{3^2 + 4^2}$
 - $\sqrt{1^2 + 2^2 + 3^2}$

Interpret Graphs

- The graph shows the favourite sports of students in Minh's physical education class.

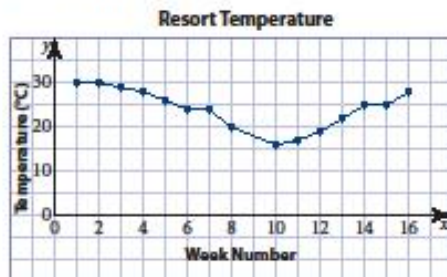


- Identify the type of graph.
 - Which sport is the most popular?
 - Which sport is the least popular?
 - Does "least popular" mean the same as "not popular"? Explain.
- The circle graph shows Jyoti's spending pattern over the last three months.



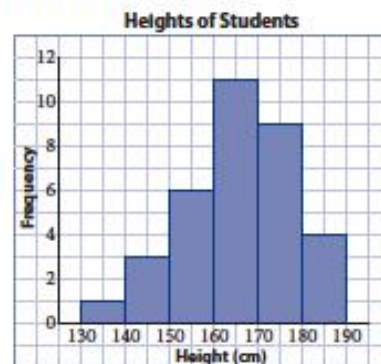
- What was Jyoti's greatest expense?
- If Jyoti earned \$1220 over the last three months, how much did she spend on clothing?

6. The graph shows the average weekly temperature at a Caribbean island resort for four months. The average for the ninth week is missing.



- Identify the type of graph.
- Estimate the average weekly temperature for the ninth week.
- The graph ends on the sixteenth week. Predict the average weekly temperature for the seventeenth week. Justify your answer.
- What information would you need to check your answer in part c)?

7. The graph shows the heights of the students in a club.



- Identify the type of graph.
- How many students are in the club?

Chapter Problem

Andrew is very interested in statistics, so he took a co-op placement at a market research company to learn more about the field. Throughout this chapter, you will see how Andrew uses mathematics in his job as a market researcher.

