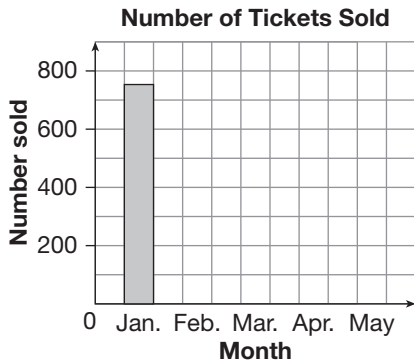# 2 Working with Graphs

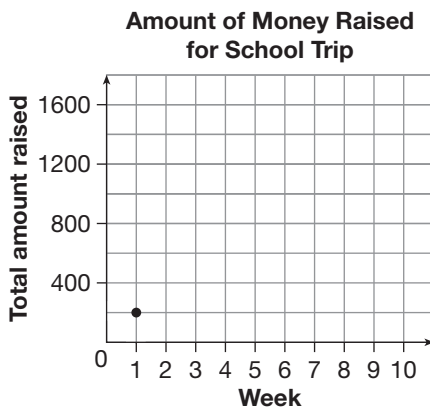## Graphing Data

1. Shade bars on the bar graph to show the monthly ticket sales. The first bar is done for you.

Number of Tickets Sold

(bar graph with y-axis "Number sold" labeled 200, 400, 600, 800; x-axis "Month" labeled Jan., Feb., Mar., Apr., May)

Number of Tickets Sold	
Month	**Number sold**
January	750
February	500
March	400
April	650
May	325

2. Plot points on the grid to show the total amount of money raised for a school trip. The first point is plotted for you. Join the points.

Amount of Money Raised for School Trip

(grid graph with y-axis "Total amount raised" labeled 400, 800, 1200, 1600; x-axis "Week" labeled 1–10)

Amount of Money Raised for a School Trip	
Week	**Total amount raised ($)**
1	200
2	400
3	500
4	600
5	900
6	1000
7	1100
8	1200
9	1200
10	1400

Reading Graphs

**3.** Matt counted the number of customers in a store each hour, from opening time until closing time.

Customers in a Store

a) About how many customers were in the store at 10 a.m.? _____

b) About how many customers were in the store at 1 p.m.? _____

c) At what time were there about 45 customers in the store? _____

d) At what time were the most customers in the store? _____

4. Anna, Ben, Candace, and Dan ran for student-council president. The graph shows the election results.

Percent of Votes in School Election

- Use the graph to estimate what percent of the students voted for each person.
- Record your estimates in the chart below.
- Check to make sure that your total is 100%.
- Explain how you used a fraction to estimate each percent.
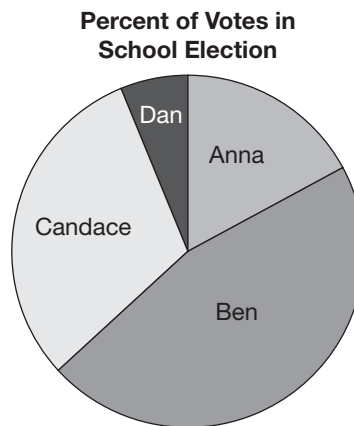
Hint

To estimate percents on a circle graph, compare the parts with benchmark fractions or decimals. Examples of benchmarks are $\frac{1}{2}$ or 50%, $\frac{1}{4}$ or 25%, and $\frac{1}{3}$ or about 33%.

	Anna	**Ben**	**Candace**	**Dan**
Estimated percent	_____%	_____%	_____%	_____%
How I estimated				

Apprenticeship and Workplace 11: Review of Essential Skills