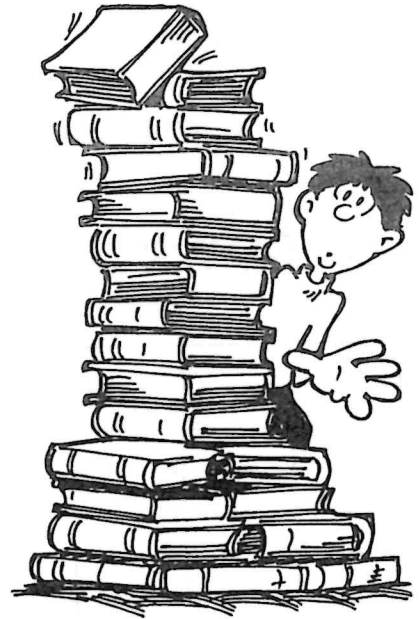
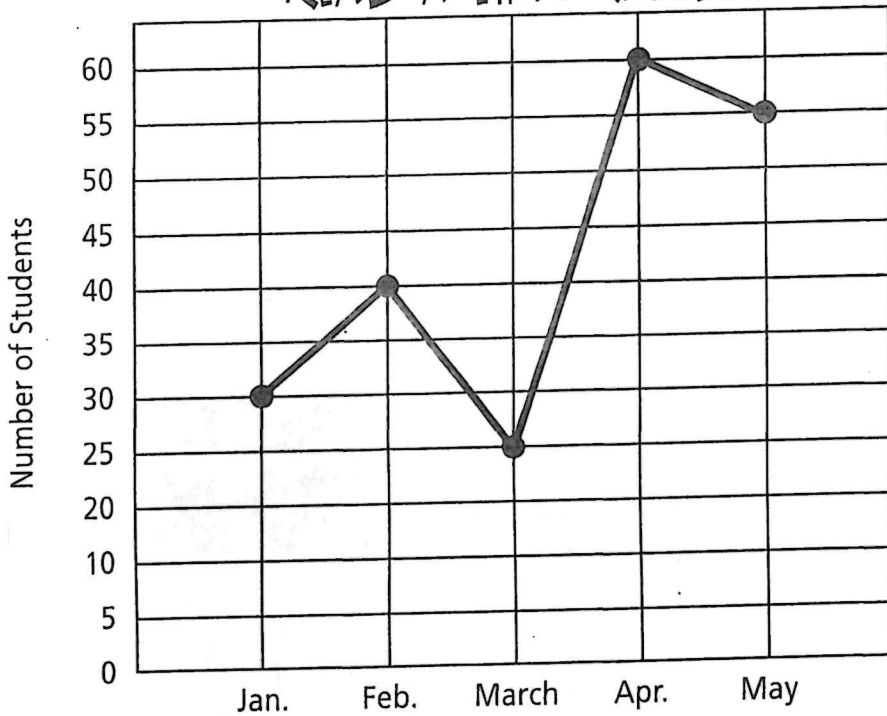


# BOOK SENSE

A **line graph** is used to plot information with dots. By connecting the dots, you can see trends in the data collected.

The 30 students in Mrs. Kremer's English class participated in a Read-a-thon. They each agreed to read at least one book per month for five months. This line graph shows the number of books read.

## READ-A-THON RESULTS



Use the line graph to answer the questions.

- How many books did the class read in five months? \_\_\_\_\_
- How many more books did the class read beyond their original goal? \_\_\_\_\_
- What was the average number of books read each month? \_\_\_\_\_
- Which months exceeded the average? \_\_\_\_\_
- If the average book was 200 pages long, how many pages were read in all? \_\_\_\_\_
- If the Read-a-thon continues for a full twelve months, what will the goal be? \_\_\_\_\_
- What percentage of books were read in February? (Round to the nearest percent.) \_\_\_\_\_
- What percentage of March's goal was met? (Round to the nearest percent.) \_\_\_\_\_
- Write a fraction to show how many of the total books were read in January. (Write it in lowest terms.) \_\_\_\_\_

Name \_\_\_\_\_

# HAPPY BIRTHDAY

Creating a line graph

There are 30 students in Mr. Palmer's English class. Create a line graph using the information below to show how many students per month celebrate a birthday during the school year.

Two students have a birthday in September.

An equal number of students have birthdays in October and January.

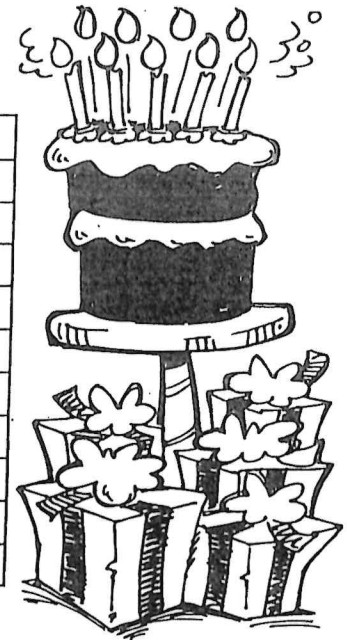
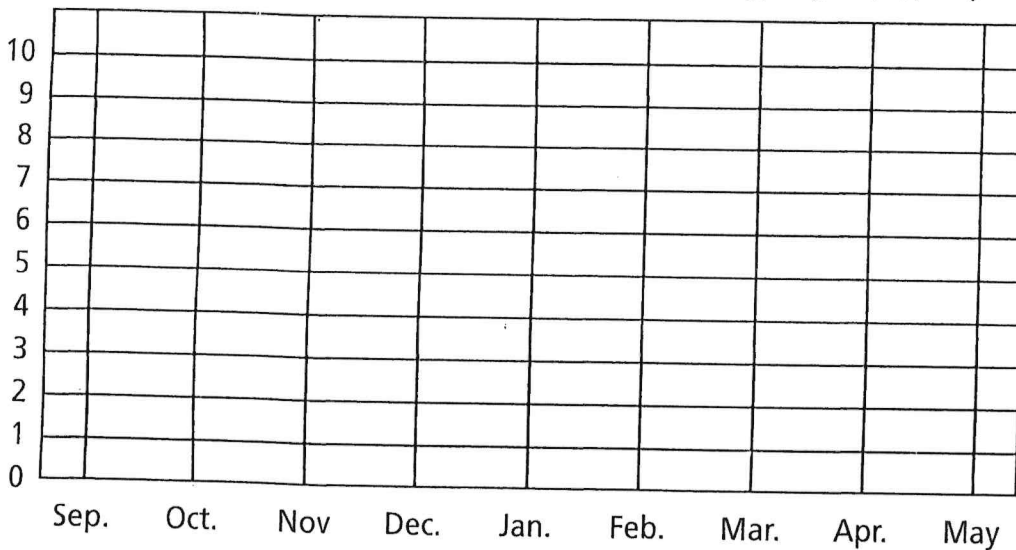
There are three birthdays in February.

Two students celebrate birthdays in March and three times that number celebrate in January.

Both December and April have three birthdays.

There are no birthdays in November and one birthday in May.

## BIRTHDAYS DURING THE SCHOOL YEAR



Use the line graph to answer the questions.

- A. How many students had a birthday during the summer? \_\_\_\_\_
- B. How many birthdays were in October? \_\_\_\_\_
- C. In all, how many students had birthdays during the school year? \_\_\_\_\_
- D. During which two months were the most birthdays celebrated? \_\_\_\_\_
- E. What percentage of the students in Mr. Palmer's class celebrate birthdays during the school year? (Round to the nearest percent.) \_\_\_\_\_
- F. What is the average number of birthdays each month during the school year? (Round to the nearest whole number.) \_\_\_\_\_