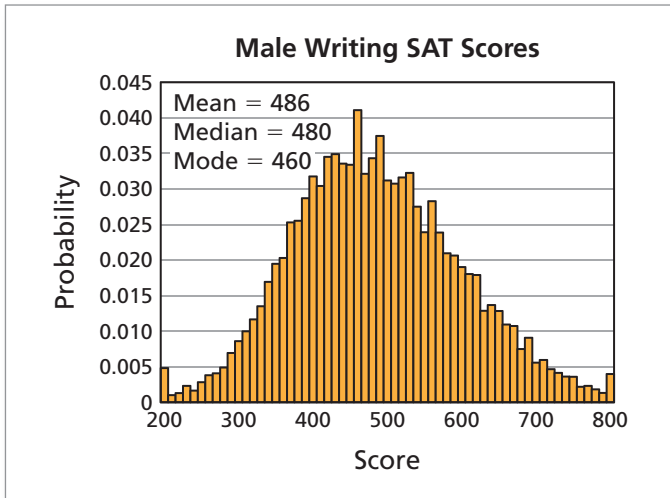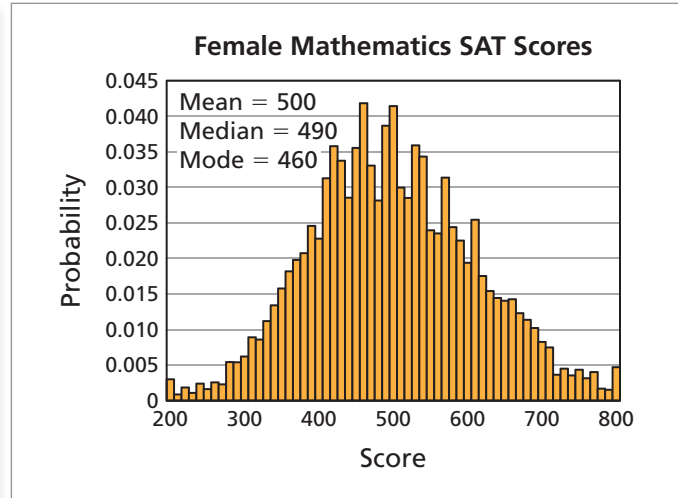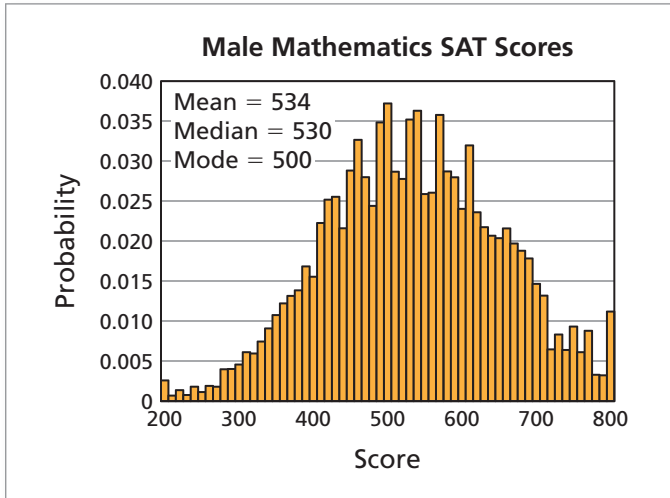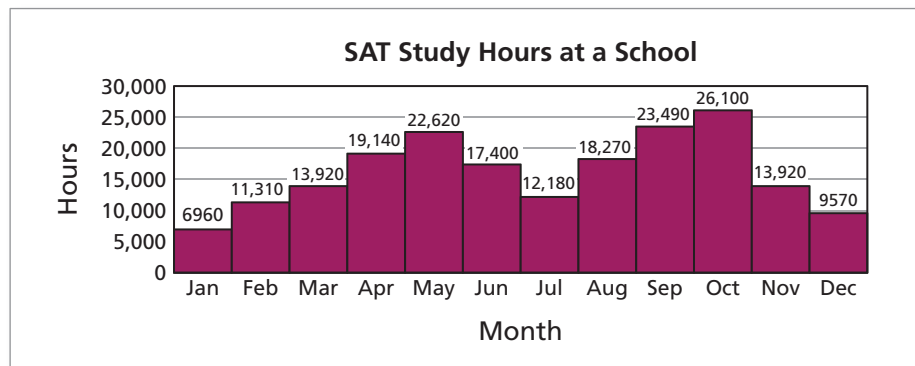**SAT Scores** The histograms show the distributions of SAT scores for mathematics and writing for males and females in a recent year. In Exercises 13 and 14, use the histograms. *(See Example 5.)*

Male Mathematics SAT Scores

Mean = 534
Median = 530
Mode = 500

Female Mathematics SAT Scores

Mean = 500
Median = 490
Mode = 460

Male Writing SAT Scores

Mean = 486
Median = 480
Mode = 460

Female Writing SAT Scores

Mean = 498
Median = 490
Mode = 460
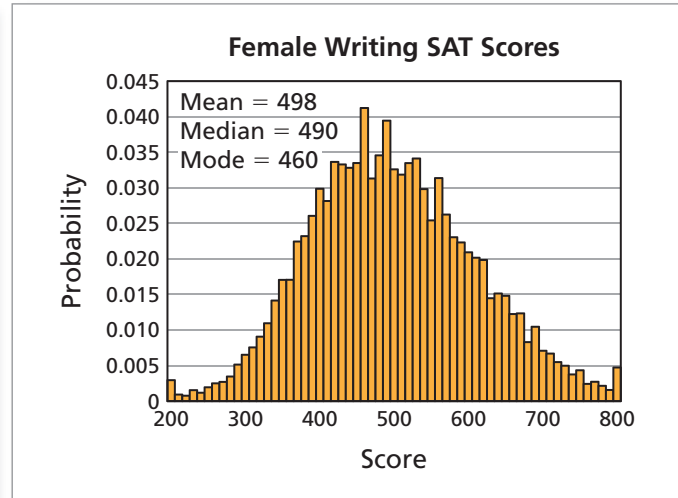
13. Describe the differences in the distributions of mathematics SAT scores for males and females.
    Describe the differences in the distributions of writing SAT scores for males and females.

14. Describe the differences in the distributions of mathematics SAT scores and writing SAT scores for males.
    Describe the differences in the distributions of mathematics SAT scores and writing SAT scores for females.

Test Preparation The histogram shows the distribution of the total numbers of hours students at a school study for the SAT over 12 months. In Exercises 15 and 16, use the histogram. *(See Example 6.)*

SAT Study Hours at a School

Jan 6960, Feb 11,310, Mar 13,920, Apr 19,140, May 22,620, Jun 17,400, Jul 12,180, Aug 18,270, Sep 23,490, Oct 26,100, Nov 13,920, Dec 9570

15. What are the two modes of this bimodal distribution? How would you explain the bimodal distribution?

16. What percent of the study hours are in October?