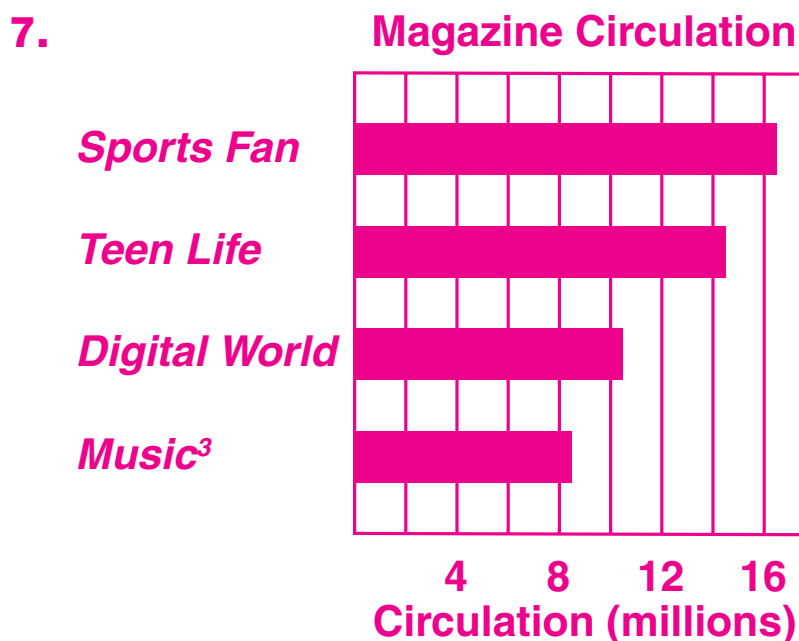
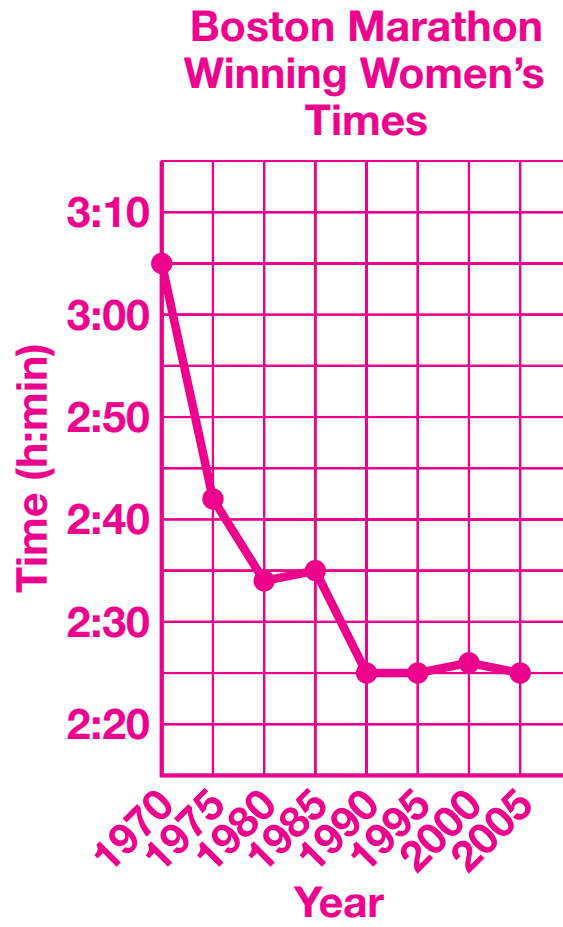


Answers for Lesson 9-4, pp. 429–431 Exercises

1. Answers may vary. Sample: not starting at zero on the vertical scale; using intervals that are too small, too large, or unequal
2. 2003
3. No; the break in the scale makes the differences appear greater than they are.
4. *Digital World*
5. *Sports Fan*
6. The horizontal scale does not start at 0, so the differences are exaggerated.



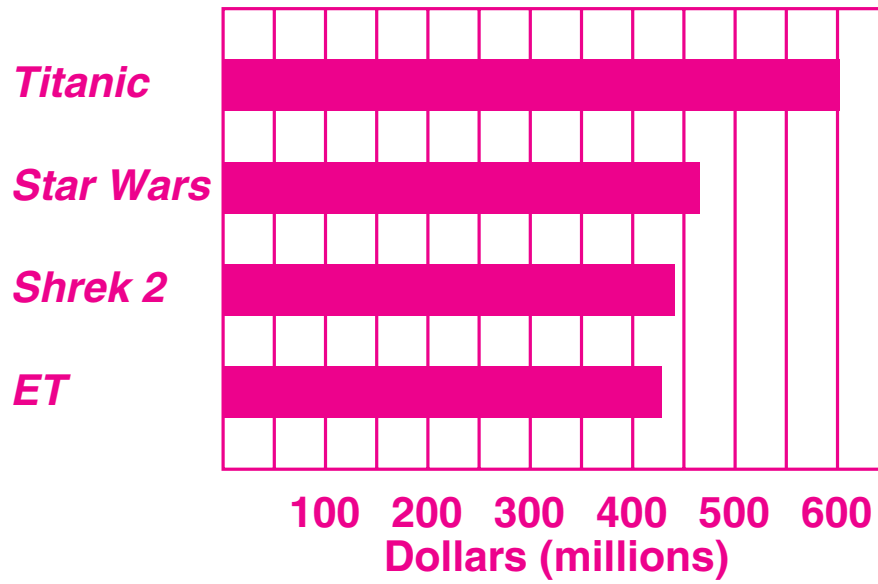
8. Answers may vary. Sample:



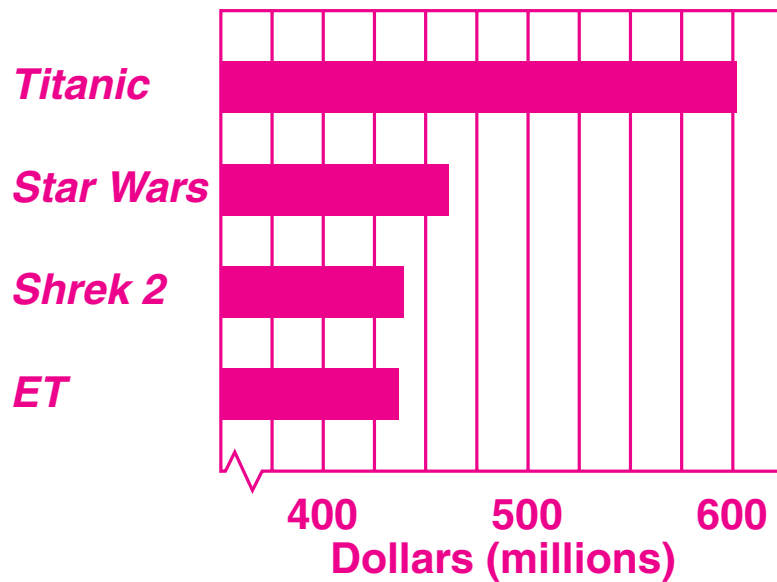
Answers for Lesson 9-4, pp. 429–431 Exercises (cont.)

9.

Top Films

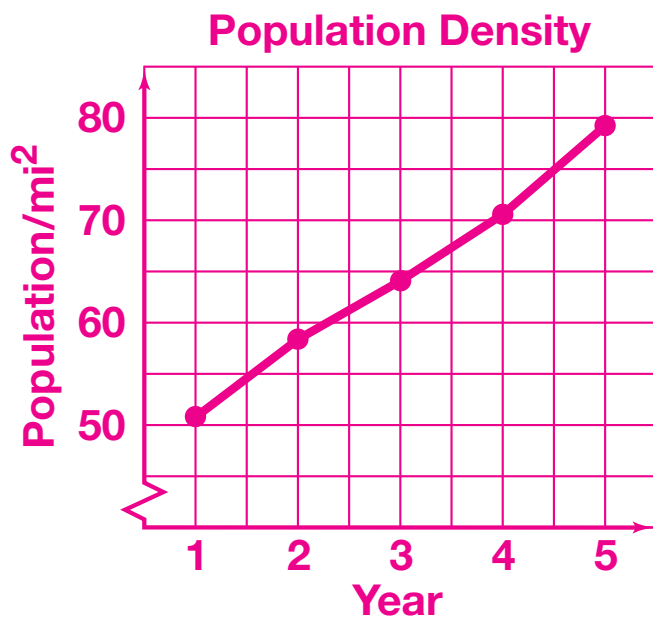
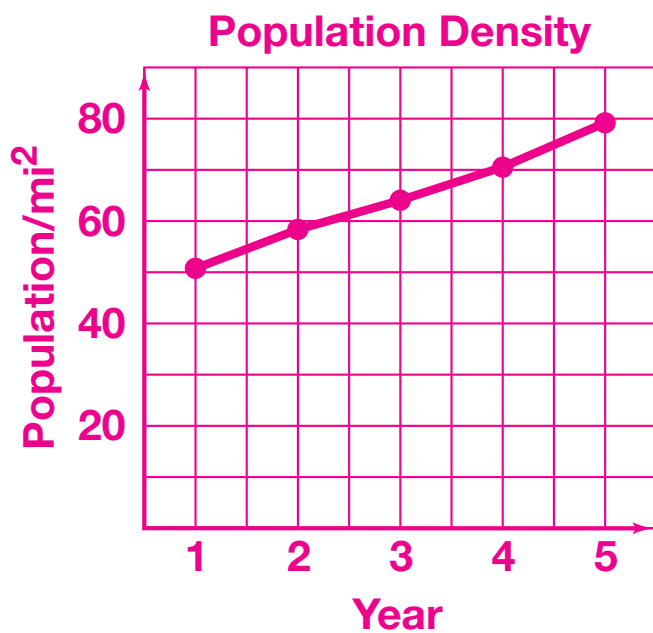


Top Films



You can approximate the amounts better on the graph with the break, but the differences are exaggerated.

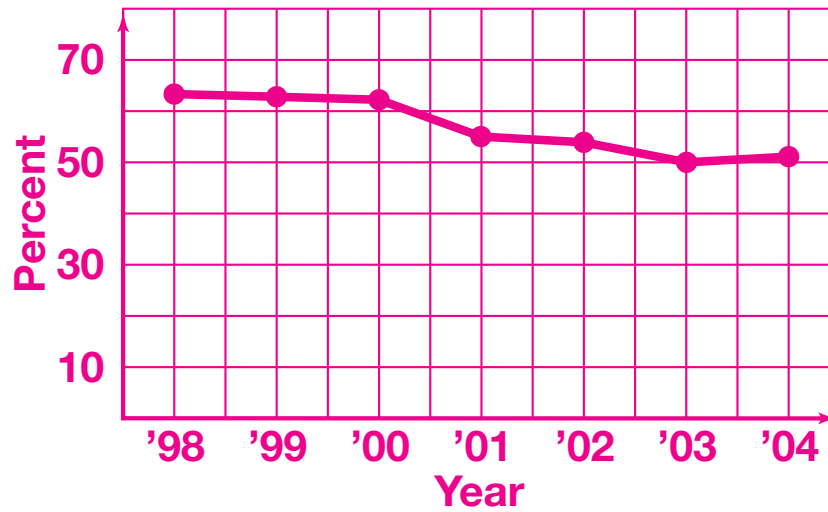
10.



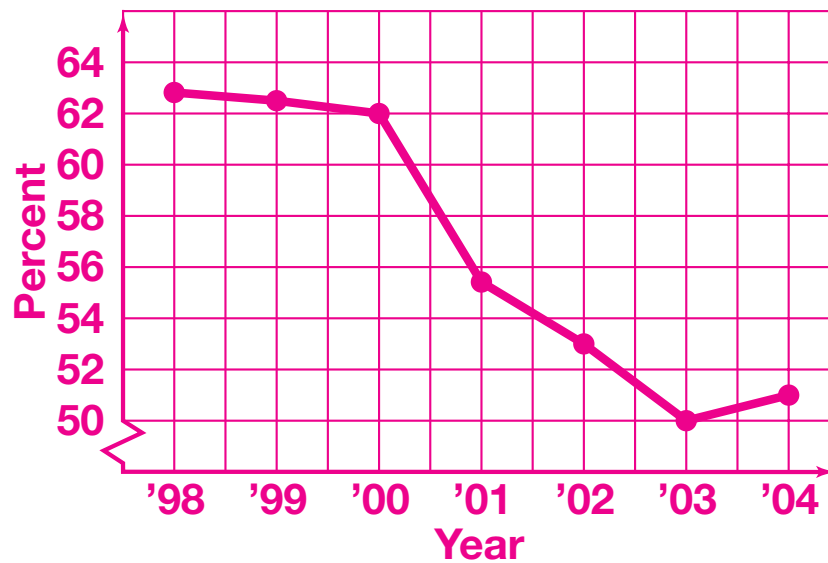
The graph with the break allows you to approximate the population more closely, but the changes are exaggerated.

Answers for Lesson 9-4, pp. 429–431 Exercises (cont.)

11. Recycling of Drink Containers



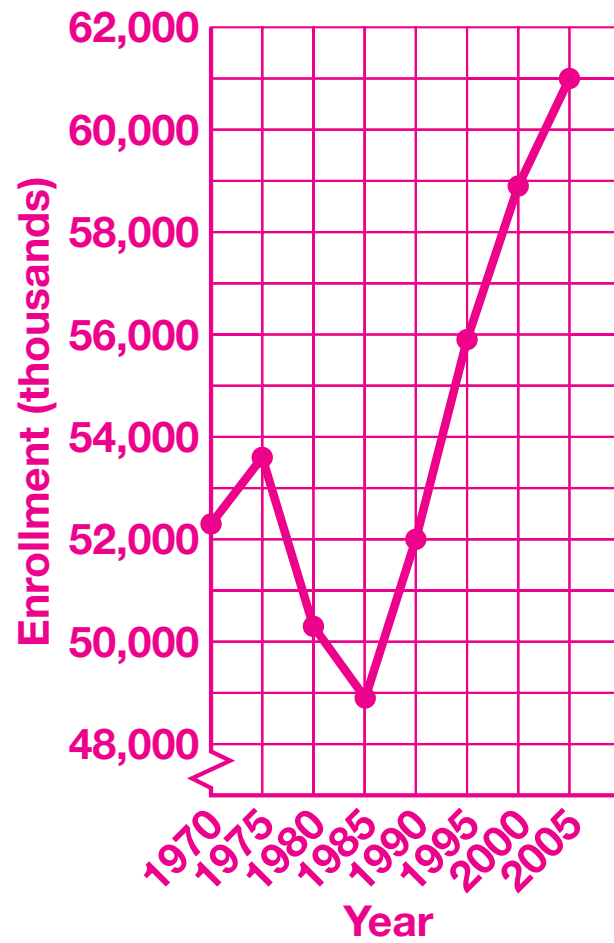
12. Recycling of Drink Containers



13. In the first graph, starting the vertical scale at 0 minimizes the appearance of change. In the second graph, the differences are exaggerated.

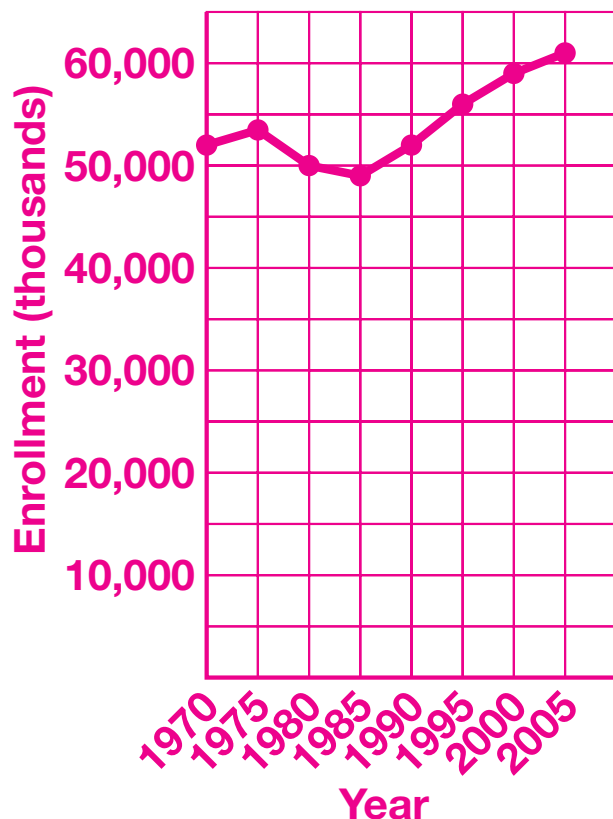
14.

Public School Enrollment in the U.S.



15.

Public School Enrollment in the U.S.



© Pearson Education, Inc., publishing as Pearson Prentice Hall. All rights reserved.

16. The second graph is more accurate because the enrollment only grew about 17%. The first graph makes this difference look much larger.

17. a. 5; 10; 20; 40

b. No; the time differences are not the same, which is misleading.

c. Yes; each interval is twice the size of the interval before it.

18. C

19. G

20. 201.1 cm²

21. 615.8 in.²

22. 289.5 m²

23. 4.5 ft²