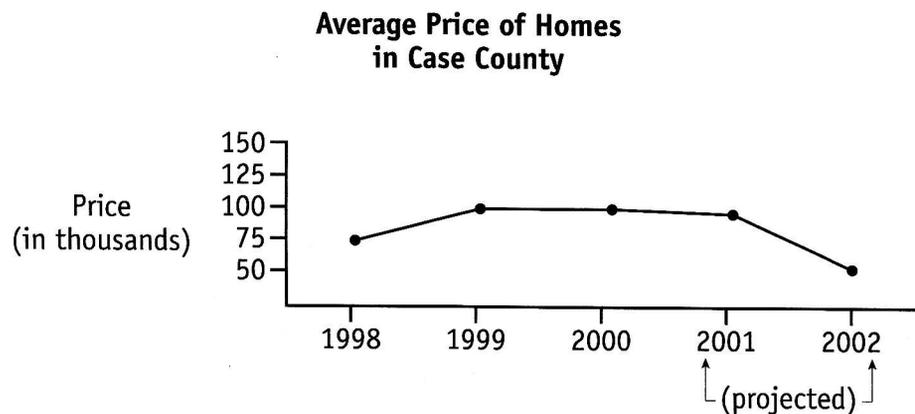


Mixed Review

Choose the correct answer for the following problems.

- GE** 1. Which expression shows the area of a circle with a radius of 5?
- 5×5
 - $(3.14) \times 5 \times 2$
 - 3.24×5
 - 3.14×5^2
 - not enough information given
- D** 2. A mother was comparing two bottles of pain relievers at the grocery store. One bottle was \$2.40 for 50 tablets; the other was \$3.00 for 75 tablets. What is the difference in price *per tablet*?
- \$0.002
 - \$0.008
 - \$0.02
 - \$0.20
 - \$0.60
- P** 3. The Gold Company charges 7.5% monthly interest on any unpaid balance on its credit cards. In September, Mary bought a dress for \$49 and a toaster oven for \$79 with her credit card. When she received her bill, she paid \$128. What interest does she owe?
- \$128.00
 - \$118.40
 - \$9.60
 - \$4.40
 - 0

Problems 4–6 refer to the following graph.



- GR** 4. What was the average price of a home in Case County in 1999?
- \$75
 - \$100
 - \$75,000
 - \$100,000
 - \$175,000
- GR** 5. By approximately how many dollars is the price of a Case County home projected to fall between 2000 and 2001?
- 
- \$100,000
 - \$90,000
 - \$25,000
 - \$10,000
 - \$10

- GR** 6. According to the graph, what is the projected 2002 price of a Case County home?
- a. \$75,000 b. \$50,000 c. \$25,000 d. \$50 e. not enough information given
- GE** 7. A triangular piece of metal has a total surface area of 57 square feet. The base of the piece measures 6 feet across. Which expression shows how many feet tall the piece is?
- a. $h = 57 \times (\frac{1}{2} \times 6)$
b. $h = 57 \div (\frac{1}{2} \times 6)$
c. $h = 57 \div 6$
d. $h = \frac{1}{2}(57 \times 3)$
e. not enough information given
- P** 8. A bank customer earned \$44.64 interest in one year for a deposit he made in a savings account. If the bank pays 8% yearly interest, how much money had the customer deposited?
- a. \$3.57 b. \$357.12 c. \$558.00 d. \$600.00 e. not enough information given
- GE** 9. An aluminum can holds 19.85 cubic centimeters of liquid. What more do you need to know to find the height of the can?
- a. the total weight of the filled can
b. the weight of the empty can
c. the volume of the can
d. the length of a side of the can
e. the radius of the can
- F** 10. Last month Marcel, an artist, sold a sculpture for \$400.00, an oil painting for \$797.50, and a watercolor for \$297.50. Approximately what fraction of these earnings does the watercolor represent?
-  a. $\frac{1}{2}$ b. $\frac{1}{3}$ c. $\frac{1}{4}$ d. $\frac{1}{5}$ e. not enough information given