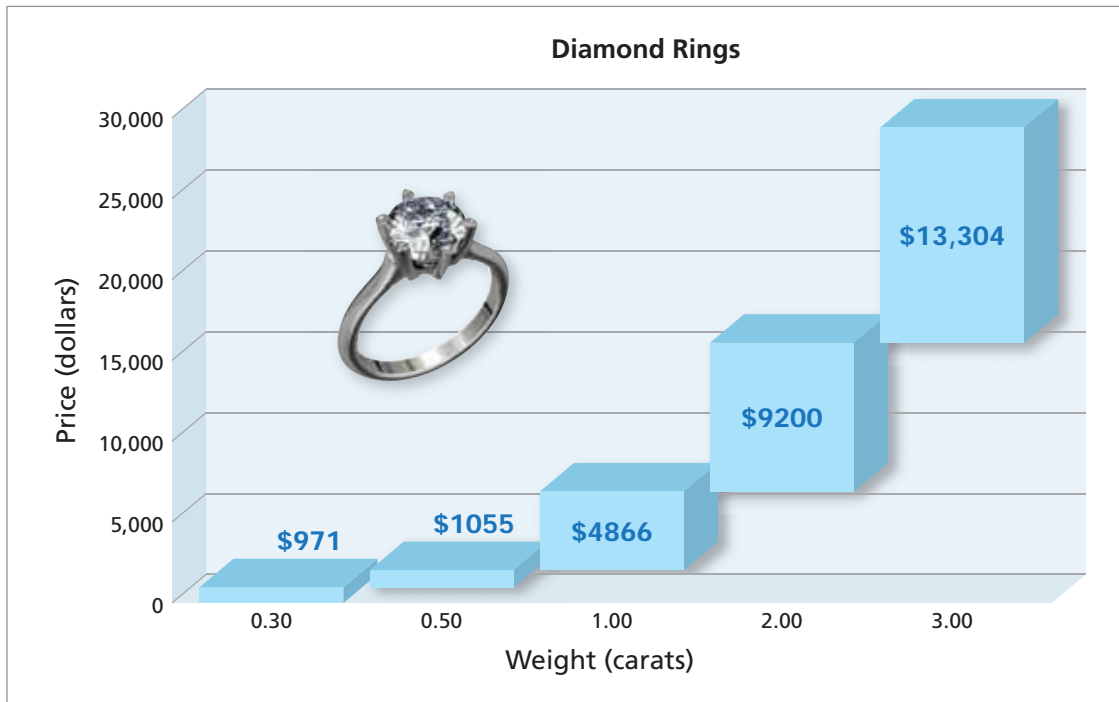


Diamond Rings The graph shows the price ranges for five weights of diamond rings at a jewelry store. In Exercises 17–24, use the graph. (See Examples 5 and 6.)



17. The jewelry store has a diamond ring listed at \$11,499. What is the carat weight of the diamond ring? Explain your reasoning.
18. What is the price range of a 1.00-carat diamond ring?
19. How much more does a 2.00-carat diamond ring cost than a 1.00-carat diamond ring?
20. Reword the statement so that it uses a percent that is greater than 200%.
A 0.50-carat diamond ring costs \$2026, which is about 108.7% more than the cost of a 0.30-carat diamond ring.
21. Is it true that a 0.50-carat diamond is more than 60% larger than a 0.30-carat diamond? Explain your reasoning.
22. Use percent to describe the change in maximum price.
 - a. from a 0.50-carat diamond ring to a 1.00-carat diamond ring
 - b. from a 1.00-carat diamond ring to a 2.00-carat diamond ring
 - c. from a 2.00-carat diamond ring to a 3.00-carat diamond ring
23. Use percent to describe the change in carat weight.
 - a. from a 0.50-carat diamond ring to a 1.00-carat diamond ring
 - b. from a 1.00-carat diamond ring to a 2.00-carat diamond ring
 - c. from a 2.00-carat diamond ring to a 3.00-carat diamond ring
24. Describe the relationship between the carat weight and the price of a diamond ring.

