

Practice 3-7

Percent of Change

Find each percent of change. Describe the percent of change as an increase or decrease. Round to the nearest whole number.

1. 36 g to 27 g

2. 40 cm to 100 cm

3. 90 in. to 45 in.

4. 500 lb to 1500 lb

5. \$100 to \$140

6. 100 mi to 175 mi

7. 280 m to 320 m

8. 58 to 76

9. 60 to 150

10. 600 mi to 480 mi

11. 18 to 27

12. 290 yd to 261 yd

Find each percent of change. Describe the percent of change as an increase or decrease. Round to the nearest whole number.

13. In 1980, Texas had 27 U.S. Representatives. That number increased to 30 in 2000. Find the percent of change.

14. In 1980, the average annual tuition charge for a four-year public university was \$840. The average annual tuition charge in 2000 was \$3356. What is the percent of change?

15. In 1990, Atlanta, GA, failed to meet air quality standards on 42 days. In 1999, Atlanta failed to meet air quality standards on 61 days. What is the percent of change?

Find the greatest possible error and the percent error for each measurement.

16. 3 cm

17. 0.5 cm

18. 16 in.

19. 36.85 g

Find the minimum and maximum possible areas for rectangles with the following measurements.

20. 8 cm \times 10 cm

21. 3 in. \times 5 in.

22. 8 m \times 12 m
