Practice 3-8
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Example Exercises

Example 1

Find each percent of increase. Round your answers to the nearest whole number.

1. 10 to 14
2. 6 to 8
3. 60 to 100
4. 28 to 36

5. 230 m to 250 m
6. 36 ft to 45 ft
7. $8.50 to $10.75
8. 12,000 lb to 18,000 lb

9. $1200 to $1240
10. 15 to $16\frac{1}{2}$
11. 125 mi to 140 mi
12. $12\frac{3}{4}$ to $15\frac{1}{2}$

13. A store raised shirt prices from $24 to $27. Find the percent of increase.

14. In 1960, the average American generated 2.7 lb of garbage daily. In 1993, the amount had increased to 4.4 lb. What is the percent of increase? Round your answer to the nearest whole number.

15. Annual poultry consumption, from 1980 to 1993, increased from 40.6 lb to 61.1 lb per person. Find the percent of increase. Round your answer to the nearest whole number.

16. From 1990 to 1993, Girl Scout numbers increased from 2.48 million to 2.61 million. What is the percent of increase? Round your answer to the nearest whole number.

17. In 1980, California had 45 U.S. Representatives. That number increased to 52 in 1990. Find the percent of increase. Round your answer to the nearest whole number.

Example 2

Find each percent of decrease. Round your answers to the nearest whole number.

18. 150 to 125
19. $39.95 to $33.95
20. 380 yd to 300 yd
21. $8 to $6.50

22. 48 ft to 30 ft
23. 190 in. to 40 in.
24. 540 mi to 160 mi
25. 16.8 to 12

26. 25 g to 22 g
27. 150 ft to 137 ft
28. $54\frac{1}{8}$ to $36\frac{1}{4}$
29. $10\frac{1}{2}$ to $9\frac{1}{4}$

30. In 1980, annual red meat consumption was 126.4 lb per person. In 1993, the amount had decreased to 111.9 lb per person. What is the percent of decrease?

31. Between 1980 and 1993, the amount of milk drunk by the average American decreased from 27.6 gal to 24.8 gal annually. Find the percent of decrease.

32. The number of U.S. Representatives from New York decreased from 34 in 1980 to 31 in 1990. What is the percent of decrease?