

6.2 Exercises

FOR
EXTRA
HELP



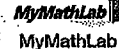
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Write each percent as a fraction or mixed number in lowest terms. See Examples 1 and 2.

1. 25%

2. 30%

3. 75%

4. 80%

5. 85%

6. 45%

7. 62.5%

8. 87.5%

9. 6.25%

10. 43.75%

11. $16\frac{2}{3}\%$

12. $66\frac{2}{3}\%$

13. $6\frac{2}{3}\%$

14. $46\frac{2}{3}\%$

15. 0.5%

16. 0.8%

17. 180%

18. 140%

19. 375%

20. 225%

Write each fraction as a percent. Round percents to the nearest tenth if necessary.
See Example 3.

21. $\frac{1}{2}$

22. $\frac{4}{10}$

23. $\frac{4}{5}$

24. $\frac{3}{10}$

25. $\frac{7}{10}$

26. $\frac{3}{4}$

27. $\frac{37}{100}$

28. $\frac{63}{100}$

29. $\frac{5}{8}$

30. $\frac{1}{8}$

31. $\frac{7}{8}$

32. $\frac{3}{8}$

33. $\frac{12}{25}$

34. $\frac{15}{25}$

35. $\frac{23}{50}$

36. $\frac{18}{50}$

37. $\frac{7}{20}$

38. $\frac{9}{20}$

39. $\frac{5}{6}$

40. $\frac{1}{6}$

41. $\frac{5}{9}$

42. $\frac{7}{9}$

43. $\frac{1}{7}$

44. $\frac{5}{7}$

Complete the chart. Round decimals to the nearest thousandth and percents to the nearest tenth if necessary. See Examples 3 and 4.

Fraction	Decimal	Percent
45. _____	0.5	_____
46. $\frac{1}{4}$	_____	_____
47. _____	_____	87.5%
48. $\frac{3}{4}$	_____	_____

In the following application problems, write the answer as a fraction in lowest terms, as a decimal, and as a percent.

71. Many pet owners say they have used the Internet to find pet information. Of 500 people who used the Internet for this purpose, 90 said they used it when buying a pet. What portion used the Internet when buying a pet? (Source: American Animal Hospital Association.)



72. About $\frac{1}{3}$ of all books purchased last year were for children. Of these children's books, 27 of every 100 purchased included a coloring activity. What portion of the children's books included a coloring activity? (Source: Consumer Research Study on Book Publishing, the American Booksellers, and the Book Industry Study Group.)



73. Only 13 out of every 100 adults consume the recommended 1000 milligrams of calcium daily. What portion consumes the recommended daily amount? (Source: Market Facts for Milk Mustache.)

74. In a survey on how people learn to parent, 360 parents out of 800 said they were most influenced by relatives, friends, and spouses. What portion learned to parent this way? (Source: Bama Research.)