

Practice

State in decimal form.

1. $\frac{7}{10}$ 2. $\frac{3}{10}$ 3. $\frac{33}{100}$ 4. $\frac{45}{100}$
5. $\frac{131}{1000}$ 6. $\frac{965}{1000}$ 7. $\frac{875}{1000}$ 8. $\frac{1}{100}$

State in decimal form.

9. $1\frac{11}{100}$ 10. $7\frac{5}{100}$ 11. $9\frac{6}{10}$
12. $6\frac{91}{1000}$ 13. $25\frac{150}{1000}$ 14. $1\frac{1}{100}$
15. $4\frac{39}{100}$ 16. $9\frac{59}{1000}$ 17. $23\frac{11}{100}$

Write in decimal form.

18. $\frac{1}{5}$ 19. $\frac{17}{20}$ 20. $\frac{5}{8}$ 21. $\frac{1}{4}$
22. $\frac{3}{8}$ 23. $\frac{4}{5}$ 24. $\frac{3}{4}$ 25. $\frac{8}{25}$

Write in decimal form.

26. $9\frac{1}{4}$ 27. $3\frac{4}{5}$ 28. $9\frac{1}{8}$ 29. $6\frac{3}{5}$
30. $11\frac{7}{20}$ 31. $12\frac{3}{8}$ 32. $4\frac{3}{4}$ 33. $10\frac{1}{2}$

Express in decimal form.

34. $\frac{1}{3}$ 35. $\frac{5}{6}$ 36. $\frac{7}{9}$ 37. $\frac{2}{3}$
38. $\frac{3}{11}$ 39. $\frac{1}{6}$ 40. $\frac{1}{12}$ 41. $\frac{5}{12}$

Write in decimal form. Express each answer to the nearest hundredth.

42. $\frac{1}{8}$ 43. $3\frac{2}{3}$ 44. $9\frac{5}{6}$ 45. $2\frac{5}{8}$
46. $12\frac{7}{11}$ 47. $8\frac{1}{9}$ 48. $2\frac{1}{6}$ 49. $5\frac{1}{3}$

Write as a fraction in simplest form.

50. 0.8 51. 0.875 52. 2.7 53. 4.05
54. 0.2 55. 0.6 56. 1.75 57. 6.5

Problems and Applications

58. Three friends bought 3 blank tapes for \$7.00. Could they share the cost equally? Explain.

59. a) If you tried to divide 10 square tiles into 3 equal groups, how many tiles would be left over?

b) If you cut the left-over tiles into tenths and tried to divide the tenths into 3 equal groups, how many tenths would be left over?

c) If you cut the left-over tenths into hundredths and tried to divide them into 3 equal groups, how many hundredths would be left over?

d) Explain why the division $10 \div 3$ gives a repeating decimal.

60. About $\frac{1}{8}$ of the people in Canada live in British Columbia.

a) What fraction of the females in Canada live in British Columbia?

b) Express your answer as a decimal.

c) What assumptions have you made?

61. Swimmer Anne Ottenbrite of Canada won an Olympic Gold medal in the 200-m breaststroke.



a) What fraction of a kilometre did she swim in her winning race?

b) Express your answer as a decimal.

62. About $\frac{1}{11}$ of the Canadian population lives in Alberta.

a) Express this fraction as a decimal.

b) Round your answer to the nearest thousandth.