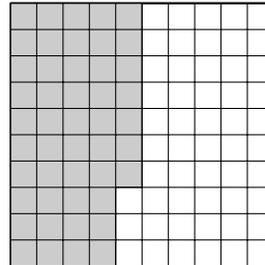


9. a. Represent the shaded part of the rectangular region as a fraction and a decimal.



- b. Represent the shaded part of the square region as a fraction and a decimal.



12. Fill in the blanks.

- a. To round \$0.13506 to the *nearest cent*, the rounding digit is _____ and the test digit is _____.

- b. To round \$1,906.47 to the *nearest dollar*, the rounding digit is _____ and the test digit is _____.

17. Consider the decimal number 145.926.

- a. What is the place value of the digit 9?

- c. Which digit tells the number of tens?

- b. Which digit tells the number of thousandths?

- d. What is the place value of the digit 5?

In exercises 21 - 39 odd, Write each decimal number in expanded form, in words, and then as an improper fraction.

21. 37.89

23. 124.575

25. 7,498.6468

27. 6.40941

29. 0.3

31. 50.41

33. 19.529

35. 304.0003

37. -0.00137

39. $-1,072.499$

In exercises 41 - 47 odd, write each number in standard form.

41. Six and one hundred eighty-seven thousandths

43. Ten and fifty-six ten-thousandths

45. Negative sixteen and thirty-nine hundredths

47. One hundred four and four millionths

In 65 - 83, round each number to the indicated place value.

65. 506.198 nearest tenth

75. -2.718218 nearest tenth

67. 33.0832 nearest hundredth

77. 3.14959 nearest thousandth

69. 4.2341 nearest thousandth

79. 1.4142134 nearest millionth

71. 0.36563 nearest ten-thousandth

81. 16.0995 nearest thousandth

73. -0.137 nearest hundredth

83. 290.303496 nearest hundred-thousandth

96. THE METRIC SYSTEM The metric system is widely used in science to measure length (meters), weight (grams), and capacity (liters). Round each decimal to the nearest hundredth.

a. 1 ft is 0.3048 meter.

c. 1 lb is 453.59237 grams.

b. 1 mi is 1,609.344 meters.

d. 1 gal is 3.785306 liters.

98. INCOME TAX A portion of a W-2 tax form is shown below. Round each dollar amount to the nearest dollar.

1 Wages, tips, other comp	2 Fed inc tax withheld	3 Social security wages
\$35,673.79	\$7,134.28	\$38,204.16
4 SS tax withheld	5 Medicare wages and tips	6 Medicare tax withheld
\$2,368.65	\$38,204.16	\$550.13