Cumulative Review

for Chapters 7 and 8

Concepts and Skills

Write each fraction or mixed number as a decimal. *(Lesson 7.1)*

1. $\dfrac{4}{10} =$ _____

2. $3\dfrac{3}{10} =$ _____

3. $\dfrac{18}{10} =$ _____

Write each decimal in tenths. *(Lesson 7.1)*

4. $0.6 =$ _____ tenths

5. $1.7 =$ _____ tenths

6. $9.5 =$ _____ tenths

7. $4.2 =$ _____ tenths

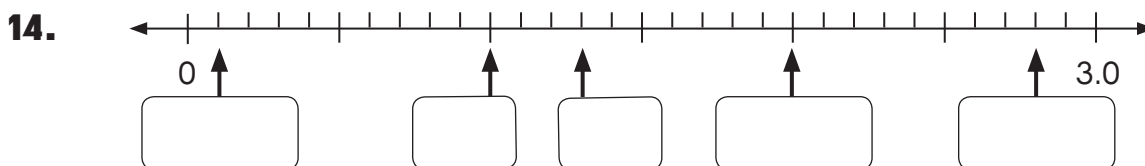**Write each of these as a decimal.** *(Lesson 7.1)*

8.   3 ones and 4 tenths = _____

9.   8 ones and 1 tenth = _____

10.   77 tenths = _____

11.   19 tenths = _____

Fill in the blanks. *(Lesson 7.1)*

12.   22 tenths = 2 ones and _____ tenths

13.   3.2 = 3 ones and _____ tenths

Write the correct decimal in each box. *(Lesson 7.1)*

14.

Complete the expanded form of each decimal. *(Lesson 7.1)*

15. $5.4 = 5 +$ _____

16. $7.1 = 7 +$ _____

17. $3.6 = 3 +$ _____

18. $10.2 = 10 +$ _____

Fill in the blanks. *(Lesson 7.1)*

19. In 22.3, the digit 3 is in the _____ place.

Its value is _____.

Write each fraction or mixed number as a decimal. *(Lesson 7.2)*

20. $\dfrac{9}{100} =$ _____

21. $2\dfrac{26}{100} =$ _____

22. $\dfrac{105}{100} =$ _____

Write each decimal in hundredths. *(Lesson 7.2)*

23. $0.06 =$ _____ hundredths

24. $1.33 =$ _____ hundredths

25. $2.5 =$ _____ hundredths

Write each of these as a decimal. *(Lesson 7.2)*

26. 2 ones and 6 hundredths $=$ _____

27. 5 tenths 5 hundredths $=$ _____

28. 7 ones and 3 tenths 4 hundredths $=$ _____

Fill in the blanks. *(Lesson 7.2)*

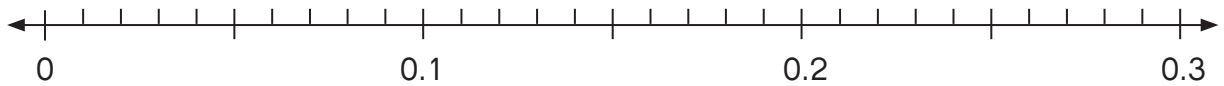**29.**   16 hundredths = 1 tenth _____ hundredths

30.   0.45 = 4 tenths _____ hundredths

Mark X to show where each decimal is located on the number line.
Label its value. *(Lesson 7.2)*

31.   0.04   **32.**   0.15   **33.**   0.26


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0              0.1              0.2              0.3
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Complete. *(Lesson 7.2)*

34.   5.2 = _____ ones and _____ tenths

35.   0.86 = _____ tenths _____ hundredths

36.   3.7 = _____ tenths

37.   0.93 = _____ hundredths

Write each sum as a decimal . *(Lesson 7.2)*

38.   7 + 0.6 + 0.02 = _____

39.   10 + 0.4 + 0.04 = _____

40. $5 + \dfrac{1}{10} + \dfrac{8}{100} =$ _____

41. $9 + \dfrac{3}{10} + \dfrac{7}{100} =$ _____

Fill in the blanks. *(Lesson 7.2)*

42. In 14.68, the digit 8 is in the ＿＿＿＿＿＿＿＿ place.

Its value is ＿＿＿＿＿＿.

Fill in the blanks. *(Lesson 7.2)*

43. $0.75 = ＿＿＿＿＿＿ cents

44. $12.25 = ＿＿＿＿＿＿ cents

45. $8.05 = ＿＿＿＿＿＿ cents

Write each amount of money in decimal form. *(Lesson 7.2)*

46. 65 cents = $＿＿＿＿＿

47. 10 dollars and 90 cents = $＿＿＿＿＿

48. 2 dollars and 5 cents = $＿＿＿＿＿

Fill in the blanks. *(Lesson 7.3)*

49. 0.1 more than 1.1 is ＿＿＿＿＿＿.

50. 0.2 less than 2 is ＿＿＿＿＿＿.

51. 0.01 less than 0.1 is ＿＿＿＿＿＿.

52. 0.03 more than 0.07 is ＿＿＿＿＿＿.

Mark ✗ to show where each decimal is located on the number line. Label its value. *(Lesson 7.3)*

53.   0.16   **54.**   0.24
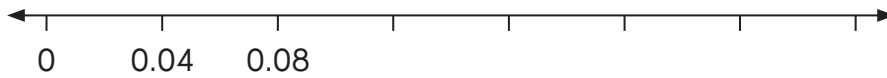
Compare. Write > or <. *(Lesson 7.3)*

55.   4.1 ◯ 0.41   **56.** 0.73 ◯ 0.70

Circle the greatest decimal and underline the least. *(Lesson 7.3)*

57.   3.04   3.4   0.34

58.   0.6   0.61   0.65

Fill in the blank. *(Lesson 7.3)*

59.   Write a decimal that is greater than 0.9 but less than 1.0. _____

Round each decimal to the nearest whole number. *(Lesson 7.4)*

60.   4.36 = _____   **61.**   7.81 = _____   **62.**   5.07 = _____

Round each decimal to the nearest tenth. *(Lesson 7.4)*

63.   2.39 = _____   **64.**   6.63 = _____   **65.**   4.00 = _____

Write each decimal as a fraction in simplest form. *(Lesson 7.5)*

66. $0.6 = \boxed{}$

67. $0.55 = \boxed{}$

Write each fraction or mixed number as a decimal. *(Lesson 7.5)*

68. $\dfrac{1}{5} = $ _____

69. $\dfrac{9}{20} = $ _____

70. $\dfrac{5}{2} = $ _____

71. $1\dfrac{3}{4} = $ _____

72. $4\dfrac{2}{5} = $ _____

73. $5\dfrac{1}{4} = $ _____

Find each sum or difference. *(Lessons 8.1 and 8.2)*

74.
$$\begin{array}{r} 6.74 \\ +\ 2.17 \\ \hline \end{array}$$

75.
$$\begin{array}{r} 3.28 \\ +\ 0.91 \\ \hline \end{array}$$

76.
$$\begin{array}{r} 5.76 \\ +\ 4.26 \\ \hline \end{array}$$

77.
$$\begin{array}{r} 7.05 \\ -\ 1.33 \\ \hline \end{array}$$

78.
$$\begin{array}{r} 8.72 \\ -\ 3.43 \\ \hline \end{array}$$

79.
$$\begin{array}{r} 6.36 \\ -\ 5.79 \\ \hline \end{array}$$

Problem Solving

Solve. Show your work. *(Lesson 8.3)*

80.   Lina thinks of a number. When she adds 9.65 to it, she gets 20.7.
          What number is Lina thinking of?

81.   Suri bought a skirt for $25.90 and a sweatshirt for $19.90.
          She paid the cashier $50.
          How much change did she receive?

82. Jim bought a pen and a calculator. He paid the cashier $50 and received $20.45 change. If the pen cost $4.50, how much did the calculator cost?

83. A pole is painted white and red. The white part is 0.75 meter long and the red part is 1.45 meters longer. What is the length of the pole?