

Cumulative Review

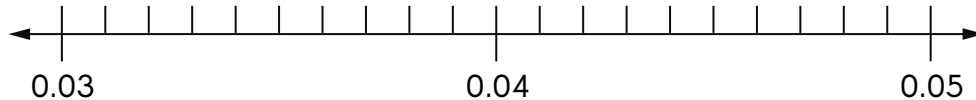
for Chapters 8 to 10

Concepts and Skills

Mark X to show where each decimal is located on the number line. (Lesson 8.1)

1. 0.032

2. 0.047



Complete. (Lesson 8.1)

3. 3 tenths 5 hundredths = _____ thousandths

4. 803 thousandths = _____ tenths _____ thousandths

5. $0.835 = 8$ tenths 3 hundredths _____ thousandths

Write the equivalent decimal. (Lesson 8.1)

6. 8 ones and 214 thousandths = _____

7. 1,180 thousandths = _____

8. $7 \frac{60}{1000} =$ _____

9. $\frac{6050}{1000} =$ _____

4.526 can be written in expanded form as $4 + 0.5 + 0.02 + 0.006$.

Write each decimal in expanded notation. (Lesson 8.1)

10. $0.329 = \underline{\hspace{2cm}} + \underline{\hspace{2cm}} + \underline{\hspace{2cm}}$

11. $20.125 = \underline{\hspace{2cm}} + \underline{\hspace{2cm}} + \underline{\hspace{2cm}} + \underline{\hspace{2cm}}$

Complete. (Lesson 8.1)

In 9.168,

12. the digit 6 is in the place.

13. the value of the digit 8 is .

14. the digit 1 stands for .

Compare. Write $>$, $<$, or $=$. (Lesson 8.2)

15. $1.07 \bigcirc 1.7$

16. $3.562 \bigcirc 3.526$

17. $15.4 \bigcirc 15.40$

Order the decimals. (Lesson 8.2)

18. 2.08, 1.973, 6.1

Begin with the least:

19. 1.567, 1.667, 1.376

Begin with the greatest:

Name: _____

Date: _____

Fill in the blanks. (Lesson 8.2)

- 20.** The mass of a strand of hair is 0.179 gram.
Round the mass to the nearest hundredth of a gram.
0.179 gram rounds to _____ gram.
- 21.** The length of a rope is 2.589 yards.
Round the length to the nearest tenth of a yard.
2.589 yards rounds to _____ yards.

Write each decimal as a mixed number in simplest form. (Lesson 8.3)

- 22.** $6.2 =$ _____
- 23.** $2.16 =$ _____

Multiply. (Lessons 9.1 and 9.2)

- 24.** $29.3 \times 8 =$ _____
- 25.** $12.08 \times 5 =$ _____
- 26.** $86.4 \times 10 =$ _____
- 27.** $13.5 \times 30 =$ _____
- 28.** $73.96 \times 100 =$ _____
- 29.** $6.2 \times 700 =$ _____
- 30.** $9.34 \times 1,000 =$ _____
- 31.** $25.6 \times 9,000 =$ _____

Divide. (Lesson 9.3)

32. $0.5 \div 5 =$ _____

33. $0.63 \div 9 =$ _____

34. $36.8 \div 4 =$ _____

35. $96.3 \div 5 =$ _____

36. $3.36 \div 4 =$ _____

37. $1.92 \div 8 =$ _____

Divide. Round the quotient to the nearest tenth and nearest hundredth. (Lesson 9.3)

38. $19 \div 7 =$ _____ to the nearest tenth

$19 \div 7 =$ _____ to the nearest hundredth

Name: _____

Date: _____

Divide. (Lesson 9.4)

39. $38 \div 10 =$ _____

40. $19.6 \div 20 =$ _____

41. $4.5 \div 100 =$ _____

42. $375 \div 300 =$ _____

43. $5,030 \div 1,000 =$ _____

44. $2,506 \div 7,000 =$ _____

Estimate each answer by rounding the numbers to an appropriate place. (Lesson 9.5)

45. $91.2 + 25.9$

46. $37.4 - 11.7$

47. 21.63×5

48. $7.05 \div 8$

Write each ratio in three ways. Complete the table. (Lesson 10.1)

		As a Fraction	As a Percent	As a Decimal
49.	57 out of 100			
50.	8 out of 10			

Express each fraction as a percent. (Lesson 10.2)

51. $\frac{88}{200} =$

52. $\frac{204}{400} =$

53. $\frac{6}{20} =$

54. $\frac{7}{50} =$

55. $\frac{13}{20} =$

56. $\frac{16}{25} =$

Problem Solving

Solve.

- 57.** Hazel saves \$5.75 each week.
- a.** How much does she save in 2 weeks?

 - b.** She spends \$23.83 on a book and \$9.12 on a wallet. How much does she spend on the two items?
- 58.** Evelyn has 12.7 quarts of fruit punch in a pitcher. She pours the fruit punch into glasses. She fills 5 glasses, each with a capacity of 0.36 quart. Then she fills 8 glasses, each with a capacity of 0.52 quart. How much fruit punch is left in the pitcher?

Solve. Use models to help you.

- 59.** The total weight of three tables is 16.9 pounds. The first table is twice as heavy as the second table. The weight of the third table is $\frac{1}{3}$ the weight of the second table. What is the weight of the first table?
- 60.** There are 950 seats in a theater. 82% of the seats are occupied. How many seats are not occupied?

Name: _____

Date: _____

Solve. Use models to help you.

61. Rahul spends 10% of his weekly allowance on Monday. On Wednesday, he spends $\frac{1}{3}$ of the remainder. What percent of his allowance is left at the end of Wednesday?

62. Ms. Jones buys a violin for \$860. In addition, she has to pay 7% sales tax. How much does she pay in all?

Solve.

- 63.** The regular price of a television set is \$1,200. Albert buys the television set at a discount of 35%. How much does he pay for the television set?
- 64.** A school band gives a year-end concert. It is held in a 400-seat auditorium. Each concert ticket sells for \$10, and 85% of the tickets are sold. How much money does the band earn from the sale of the tickets?