

Chapter 1 Review

Vocabulary Review

Associative Property of Addition (p. 4)
Associative Property of Multiplication (p. 5)
Commutative Property of Addition (p. 4)

Commutative Property of Multiplication (p. 5)
expanded form (p. 15)
expression (p. 8)
front-end estimation (p. 19)

Identity Property of Addition (p. 4)
Identity Property of Multiplication (p. 5)
order of operations (p. 8)

Choose the correct vocabulary term to complete each sentence.

1. An example of the ? is $5 + 0 = 5$.
2. A sum that shows the place and value of each digit of a number is called ?.
3. To simplify the expression $2 \times (10 + 1)$, add 10 and 1 first because of the ?.
4. $7 + 4 \times 2$ is a(n) ?.
5. $5 + (6 + 8) = (5 + 6) + 8$ is an example of the ?.

Lesson 1-1

- To understand and use the properties of operations

You can use the **commutative**, **associative**, and **identity properties** to help you add and multiply mentally.

Use mental math to find each sum.

6. $1 + 250 + 99$

7. $6 + 3 + 4 + 7$

8. $22 + 11 + 0 + 68$

Use mental math to find each product.

9. $2 \times 13 \times 5$

10. $3 \times 23 \times 1 \times 10$

11. $4 \times 43 \times 25$

Lesson 1-2

- To use the order of operations to simplify expressions and solve problems

An **expression** is a mathematical phrase that contains numbers and operation symbols. You can use the **order of operations** to find the value of an expression.

Find the value of each expression.

12. $30 - 5 + 4 \times 3$

13. $6 - (27 - 9) \div 3$

14. $5 \times 8 + 4 \div 2$

Lesson 1-3

- To read, write, and round decimals

You can write decimals in words, in standard form, and in **expanded form**.

Write each decimal in words. 15–18. See margin.

15. 525.5 16. 0.5255 17. 5.025 18. 50.0025

Round each decimal to the underlined place.

19. 45,16 20. 98,645 21. 5.125 22. 1.246

Write each decimal in standard form and expanded form.

23. twenty-seven hundredths 24. forty-two and six tenths

15. [redacted] 18. [redacted]
 16. [redacted]
 17. [redacted]

Lesson 1-4

- To add and subtract decimals and to solve problems involving decimals

You can use estimation to tell whether your answer is reasonable. You can use **front-end estimation** to estimate a sum.

First estimate. Then find each sum or difference.

25. $337.4 + 20.08$ 26. $1.741 - 0.81$ 27. $1.6 + 1.8$
 28. $9.6 - 7.9$ 29. $4.12 - 0.253$ 30. $2.01 + 5.39$

25. [redacted]
 26. [redacted]
 27. [redacted]
 28. [redacted]
 29. [redacted]
 30. [redacted]

Lesson 1-5

- To multiply decimals and to solve problems involving decimals

When multiplying decimals, add the decimal places in the factors to place the decimal point in the product.

Find each product.

31. 1.2×29.5 32. 0.54×17 33. 3.21×9.8 34. 13×0.8
 35. John earns \$10.26 an hour. How much will he earn if he works for 6.5 hours? [redacted]

Lesson 1-6

- To divide decimals and to solve problems involving decimals

When dividing decimals, multiply both the dividend and the divisor by the same number so that the divisor is a whole number.

Find each quotient.

36. $12.12 \div 6$ 37. $38.4 \div 0.08$ 38. $27.76 \div 4$ 39. $8.5 \div 0.05$
40. Maria has 0.8 loaf of raisin bread. What part the loaf will each person get if she divides it into 5 equal parts?