

Lesson Practice

Solve each problem by following the proper order of operations:

a. $6 - (4 - 2)$

b. $(6 - 4) - 2$

c. $(8 \div 4) \div 2$

d. $8 \div (4 \div 2)$

e. $12 \div (4 - 1)$

f. $(12 \div 4) - 1$

g. Name the four operations of arithmetic.

Analyze For each problem, write the proper comparison symbol, and state whether the Associative Property applies.

h. $(8 \div 4) \div 2 \bigcirc 8 \div (4 \div 2)$

i. $(8 - 4) - 2 \bigcirc 8 - (4 - 2)$

j. $(8 \times 4) \times 2 \bigcirc 8 \times (4 \times 2)$

Written Practice


Distributed and Integrated

*1. How much money is one half of a dollar plus one fourth of a dollar?
(Inv. 2)

Formulate For problems 2–4, write an equation and find the answer.

*2. How many horseshoes are needed to shoe 25 horses?
(21)

3. Inez removed some eggs from a carton of one dozen eggs. If nine eggs remained in the carton, how many eggs did Inez remove?
(16)

*4.  **Justify** The auditorium had nine hundred fifty-six seats. During a performance only four hundred ninety-eight seats were occupied. How many seats were not occupied? Explain how you solved the problem.
(11)

5. **Connect** Write two multiplication facts and two division facts for the fact family 5, 10, and 50.
(19)

6. Compare: $3 \times (4 + 5) \bigcirc (3 \times 4) + 5$
(24)

7. $30 - (20 + 10)$
(24)

8. $(30 - 20) + 10$
(24)

*9. Compare: $4 \times (6 \times 5) \bigcirc (4 \times 6) \times 5$
(24)

10. $60 \div 7$
(22)

11. $50 \div 6$
(22)

12. $10 \overline{)44}$
(22)

13. $\begin{array}{r} \$50.36 \\ \times \quad 4 \\ \hline \end{array}$
(17)

14. $\begin{array}{r} 7408 \\ \times \quad 6 \\ \hline \end{array}$
(17)

15. $\begin{array}{r} 4637 \\ \times \quad 9 \\ \hline \end{array}$
(17)

16. $\begin{array}{r} w \\ - \$9.62 \\ \hline \$14.08 \end{array}$
(13, 14)

17. $\begin{array}{r} 4730 \\ - \quad j \\ \hline 2712 \end{array}$
(14)

18. $\begin{array}{r} \$30.00 \\ - \$ 0.56 \\ \hline \end{array}$
(13)

19. $\$3.54 + \$12 + \$1.66$
(13)

20. $\$20 - \16.45
(13)

21. **Connect** Write two addition facts and two subtraction facts for the fact family 9, 5, and 14.
(8)

22. Which digit in 256 shows the number of hundreds?
(3)

23. The Dawson Company purchased 4 telephones for \$35 each. This addition problem shows one way to find the total cost. Change the addition problem to a multiplication problem and find the total cost of the 4 telephones.
(13, 17)

$$\$35 + \$35 + \$35 + \$35$$

*24. **Predict** What is the tenth term of this counting sequence?
(1)

$$3, 6, 9, 12, 15, \dots$$

*25. **Multiple Choice** When odd numbers are divided by 2, there is a remainder of 1. Which of these odd numbers can be divided by 5 without a remainder?
(22)

A 23

B 25

C 27

D 29

26. **Represent** Draw two vertical lines.
(12)

27. **Connect** Write two multiplication facts and two division facts for the fact family 7, 8, and 56.
(19)

28. Compare: $(8 + 4) + 2$ \bigcirc $8 + (4 + 2)$
(24)

Conclude Based on your answer, does the Associative Property apply to addition?

29. a. What number is half of 14?
(2, 23)

b. Write a fraction equal to $\frac{1}{2}$ using 14 and its half.

30. **Multiple Choice** When Maisha woke up in the morning, the temperature was 65°F . The high temperature for that day was 83°F at 4:09 p.m.
(10)

Which equation can be used to find the number of degrees the temperature increased after Maisha woke up?

A $65 + d = 83$ **B** $83 + 65 = d$ **C** $d + 83 = 65$ **D** $83 + d = 65$

Early Finishers

Real-World Connection

James has 9 storage boxes on each of 5 shelves. Each box contains 6 items. How many items are there altogether? Explain how using the Associative Property of Multiplication can make the problem easier to solve.