

1.3 Practice A

Find the value of the expression.

1. $2 \times (5 - 3)$

2. $16 - (4 \times 3)$

3. $27 \div (3 + 6)$

4. $15 - 4 \times 3$

5. $5 + (2 + 1)^3$

6. $7 + 4 \times 2^3$

7. $30 \div 6 \times 2$

8. $4 + 6^2 \div 12$

9. $13 - (28 - 4^2)$

10. Describe and correct the error in evaluating the expression.

\times $56 \div 4 \times 2 = 56 \div 8 = 7$

Evaluate the expression.

12. $(49 - 5^2) \div 2^3$

13. $7^2 - 5(10 - 3^2)$

14. $\left(\frac{5}{2} - \frac{3}{2}\right)^3 \times 16$

15. $33 - 6\left(1\frac{1}{3} + \frac{2}{3}\right)$

16. $18 - 5(4.7 - 1.7)$

17. $12(1.4 + 3.6) - 24 \div 3$

18. You have 8 dimes and 13 nickels. How many cents do you have?

20. A family buys 3 dinners at \$9 each, 2 kid's meals at \$4 each, and 4 desserts at \$3 each. After using a \$10 off coupon, how much do they owe before sales tax?

1.3 Practice B

Evaluate the expression.

1. $64 \div 4 \times 10$

2. $55 \div (4^2 - 5)$

3. $3 \cdot 7 + 4 \cdot 6^2$

4. $(22 - 4) \div (2 \times 3)$

5. $8^2 - 20 \div 2 \times 5$

6. $13 + (38 - 6^2) \cdot 3$

Evaluate the expression.

8. $(5 - 3)^4 - 2(7) + 8^2$

9. $27 - 3\left(5\frac{1}{2} - \frac{7}{2}\right)$

10. $9(6.2 + 5.8) + 28 \div 4$

11. $4^2(4.9 - 2.9) - 24 \div 3$

12. There are 34 people in a restaurant. Four groups of 3 people leave, and then 5 groups of 2 people arrive. Evaluate the expression $34 - 4 \cdot 3 + 5 \cdot 2$ to determine how many people are in the restaurant.

Evaluate the expression.

13. $\frac{11^2 - 5 + 4(7)}{(4)(3)}$

14. $\frac{54 \div 6 + 31}{4^2 + 4}$

15. A group of 8 students purchase 4 pizzas at \$5 each, 2 orders of breadsticks at \$2 each, and 8 drinks at \$1.50 each. How much does each student owe before tax? Explain how you solved the problem.
16. Five sandwich rings are each cut into 4 pieces. You then cut each of the pieces into 3 servings. How many servings do you have?
17. Copy each statement. Insert +, -, ×, or ÷ symbols to make each statement true.
- a. $17 \underline{\quad} ? \underline{\quad} 2 \underline{\quad} ? \underline{\quad} 3 \underline{\quad} ? \underline{\quad} 8 = 3$
- b. $33 \underline{\quad} ? \underline{\quad} 3 \underline{\quad} ? \underline{\quad} 2 \underline{\quad} ? \underline{\quad} 5 = 1$