

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. $13 + (38 - 6^2) \cdot 3$
7. Evaluate each expression. Are the two expressions equal? Explain your answer.
 - a. $(100 \div 5) \times 4$
 - b. $100 \div 5 \times 4$

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 +, -, \times , or \div 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. $33 \underline{\quad} ? \underline{\quad} 3 \underline{\quad} ? \underline{\quad} 2 \underline{\quad} ? \underline{\quad} 5 = 1$