SECTION 1B **Ready to Go On? Quiz**

1-4 Order of Operations
Evaluate each expression.

1. $7 \times 3 \div (8 - 5)$

2. $3^3 - 6 \times 4 - 2$

3. $(4 + 6^2) \times 10 - 7$

4. $10 + (8 - 4) \times 6$

5. For the annual bake sale, Mrs. Robb's class baked 7 batches of 12 cookies, 6 apple pies, 3 blueberry pies, and 2 sheets of 10 lemon bars. Evaluate $7 \times 12 + 6 + 3 + 2 \times 10$ to find the total number of items Mrs. Robb's class made for the bake sale.

1-5 Mental Math
Evaluate.

6. $7 + 8 + 13 + 22$

7. $9 \times 4 \times 2$

8. $5 \times 7 \times 10$

9. $51 + 14 + 6 + 9$

For 10–12, simplify each expression.

10. $25 - 15 \div 3$

11. $57 - 3^3 + 18$

12. $15 + 30 \div (25 - 19) - 17$

Simplify each expression.

13. $24 - 15 \div 3$

14. $6 - 2^2 + 4$

15. $30 \div (12 - 7)$

Holt Mathematics

Simplify each expression.

16. $4 + 8 \div 2 - 3$

_____

17. $7 \times 3^2 + 38 - 5$

_____

18. $(5^2 + 8 \div 2) \times (45 \div 5 - 7)$

_____

19. $38 + 8 + 26 + 42$

_____

1-3 Exponents

Write each expression in exponential form.

20. $6 \times 6 \times 6 \times 6$

21. 9×9

22. $2 \times 2 \times 2 \times 2 \times 2 \times 2 \times 2$

_____   _____   _____

23. $3 \times 3 \times 3$

24. $10 \times 10 \times 10 \times 10 \times 10$

25. $5 \times 5 \times 5 \times 5 \times 5 \times 5$

_____   _____   _____

Find each value.

26. 4^2 **27.** 7^4 **28.** 1^9 **29.** 10^3

_____   _____   _____   _____

30. 25^1 **31.** 3^6 **32.** 9^1 **33.** 20^5

_____   _____   _____   _____

34. Anthony saves pennies in a jar. He starts by putting
1 penny in a jar. Then each day for 6 days, he puts
double the number of pennies he put in the jar from the
day before. How many pennies will he put in the jar
on the sixth day?

_____

Holt Mathematics