

Check Your Progress

Lessons 1–8

Multiply. Look for patterns.

(See pp. 66–67.)

1. 10×45
 100×45
 1000×45

2. 25×2
 25×20
 25×200
 25×2000

3. 10×0.3
 100×0.3
 1000×0.3
 $10,000 \times 0.3$

Use rounding to estimate the product.

(See pp. 68–69.)

4. 62×19

5. 874×26

6. 54.2×1.78

7. 431×156

8. 5.49×62.83

9. 177.08×2684

Round to estimate. Then find each product.

(See pp. 68–73.)

10. 709×333

11. 0.26×9.3

12. 382×1101

13. $\$58.79 \times 209$

14. 8009×3206

15. $\$13.50 \times 42$

Write the standard form for each.

(See pp. 74–75.)

16. 2^4

17. 3^4

18. 9^1

19. 5^3

20. 30^2

Write in scientific notation.

(See pp. 76–77.)

21. 46,000

22. 309,000

23. 85,000,000

24. 9,020,000,000

Write the standard form for each.

25. 9×10^2

26. 6.1×10^4

27. 3.88×10^5

28. 5.167×10^6

Problem Solving

(See pp. 78–81.)

29. Tim had \$672 in his bank account on October 1. He has since made three withdrawals of \$44.50 each, and one of \$128.95. He has also made two deposits of \$83.20. How much does he have in his account now?

30. Anna plans to buy 2.75 lb of cheese at \$2.96 per pound. She also wants 3 lb of potato salad that sells for \$3.45 per pound. She has \$25 in her wallet. Is this enough for the cheese and the potato salad?