Name Date

Chapter 1 Study Guide

Find the value of the expression.

1.  2. 

3.  4. 

**Find the value of the power.**

8.  9. 

Determine whether the number is a perfect square.

10. 100 11. 42

Evaluate the expression.

12.  13. 

14.  15. 

Write the prime factorization of the number.

16. 38 17. 54

Find the GCF of the numbers.

18. 16, 28 19. 18, 60

Find the LCM of the numbers.

20. 6, 8 21. 24, 32

Add or subtract. Write the answer in simplest form.

22.  23. 

24. An electrician charges $322 for 7 hours of work. How much does   
the electrician charge per hour?

25. You are creating identical candy bags using 18 chocolate bars and   
30 peanut butter cups. What is the greatest number of bags you can   
fill using all the candy?

26. You have violin lessons every fourth day and singing lessons every   
fifth day. Today you have both lessons. In how many days will you have both lessons on the same day again?