Name Date

Test B

Chapter

1

Find the value of the expression. Use estimation to check your
answer.

Answers

 1.

 2.

 3.

 4.

 5.

 6.

 7.

 8.

 9.

 10.

 11.

 12.

 13.

 14.

 15.

 16.

 17.

 18.

 19.

 20.

 21.

 22.

 23.

 24.

 1.  2. 

 3.  4. 

Determine the operation you would use to solve the problem. Do not answer the question.

 5. A runner finishes a race in 67 seconds, an improvement of 5 seconds compared to his last finishing time. What was the runner’s last
finishing time?

 6. A six-story building is 72 feet tall. What is the height of each story?

**Find the value of the power.**

 7.  8. 

Determine whether the number is a perfect square.

 9. 75 10. 225

Evaluate the expression.

 11.  12. 

 13.  14. 

List the factor pairs of the number.

 15. 21 16. 45

Write the prime factorization of the number.

 17. 51 18. 120

Find the GCF of the numbers.

 19. 18, 78 20. 9, 42, 57

Find the LCM of the numbers.

 21. 9, 12 22. 3, 16, 20

Add or subtract. Write the answer in simplest form.

 23.  24. 

Name Date

Test B **(continued)**

Chapter

1

Answers

 25. a.

 b.

 26.

 27.

 28.

 29.

 30.

 25. A store has 15 boxes of apples. Each box contains 98 apples.

 a. How many apples does the store have?

 b. What is the maximum number of bags of apples that can be sold
if 8 apples are put in each bag?

 26. On Monday, five students make up a rumor. On each of the next two days, every student that knows the rumor tells five other students.
Write a power to represent the number of students that know the rumor at the end of day on Wednesday. Then find the number of students.

 27. The point system below is used to rank teams in a soccer league.
A team’s record is 16 wins, 6 ties, and 9 losses. How many points
does the team have?

|  |  |
| --- | --- |
| **Result** | **Points** |
| Win | 3 |
| Tie | 1 |
| Loss | 0 |

 28. You have 64 inches of blue fabric and 96 inches of green fabric. You want to cut the fabric into pieces of equal length with no leftovers. What is the greatest length of the pieces that you can make?

 29. Two runners begin running laps around a one-mile track at the same time. The first runner completes a mile every 6 minutes and the second runner completes a mile every 8 minutes. After how long will the first runner lap the second runner?

 30. A town received  inches of rain one day and  inches the next day. How many inches of rain fell in the town over the two days?