

## Least Common Multiple

Write the first five multiples of each number.

1. 9 \_\_\_\_\_ 2. 13 \_\_\_\_\_ 3. 20 \_\_\_\_\_

4. 6 \_\_\_\_\_ 5. 40 \_\_\_\_\_ 6. 21 \_\_\_\_\_

7. 14 \_\_\_\_\_ 8. 16 \_\_\_\_\_ 9. 22 \_\_\_\_\_

Write the prime factorization of each number.

10. 14 \_\_\_\_\_ 11. 18 \_\_\_\_\_ 12. 21 \_\_\_\_\_

13. 24 \_\_\_\_\_ 14. 22 \_\_\_\_\_ 15. 26 \_\_\_\_\_

16. 28 \_\_\_\_\_ 17. 30 \_\_\_\_\_ 18. 34 \_\_\_\_\_

Find the LCM of the numbers in each pair. Use either method.

19. 6, 8 \_\_\_\_\_ 20. 4, 7 \_\_\_\_\_ 21. 3, 12 \_\_\_\_\_

22. 15, 25 \_\_\_\_\_ 23. 6, 7 \_\_\_\_\_ 24. 12, 28 \_\_\_\_\_

25. 9, 15 \_\_\_\_\_ 26. 24, 36 \_\_\_\_\_ 27. 12, 90 \_\_\_\_\_

28. 14, 20 \_\_\_\_\_ 29. 30, 40 \_\_\_\_\_ 30. 28, 42 \_\_\_\_\_



### Test Prep

**31.** Every 12th time Darien goes to the movie theater he gets a free drink. Every 15th time he gets free popcorn. How many times will Darien have to go to get a free drink and free popcorn at the same time?

**A** 30

**C** 120

**B** 60

**D** 180

**32.** The downtown bus leaves the station every 15 minutes. The uptown bus leaves the station every 35 minutes. Both buses start the day leaving the station at 7:00 A.M. When is the next time both buses will leave the station at the same time?

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