Name _____ Class _____ Date _____

Practice 3-6

Least Common Multiple

List multiples to find the LCM of each set of numbers.

1. 5, 10 _____

2. 2, 3 _____

3. 6, 8 _____

4. 4, 6 _____

5. 8, 10 _____

6. 5, 6 _____

7. 12, 15 _____

8. 8, 12 _____

9. 9, 15 _____

10. 6, 15 _____

11. 6, 9 _____

12. 6, 18 _____

13. 3, 5 _____

14. 4, 5 _____

15. 9, 21 _____

16. 7, 28 _____

17. 4, 6, 8 _____

18. 6, 8, 12 _____

19. 4, 9, 12 _____

20. 6, 9, 12 _____

21. 6, 12, 15 _____

22. 8, 12, 15 _____

23. 2, 4, 5 _____

24. 5, 10, 15 _____

Use prime factorization to find the LCM of each set of numbers.

25. 18, 21 _____

26. 15, 21 _____

27. 18, 24 _____

28. 21, 24 _____

29. 15, 30 _____

30. 24, 30 _____

31. 24, 72 _____

32. 18, 72 _____

33. 8, 42 _____

34. 16, 42 _____

35. 8, 56 _____

36. 6, 81 _____

37. 8, 30 _____

38. 16, 30 _____

39. 18, 30 _____

40. 45, 60 _____

41. 12, 24, 16 _____

42. 8, 16, 20 _____

43. 12, 16, 20 _____

44. 15, 20, 25 _____

45. At a store, hot dogs come in packages of eight and hot dog buns come in packages of twelve. What is the least number of packages of each type that you can buy and have no hot dogs or buns left over?

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