Least Common Multiple.

Find the Least Common Multiple

1. Of 12, 28, 42.	17. Of 20, 28, 30, 35, 42.
2. Of 18, 30, 45.	18. Of 20, 27, 30, 36, 45.
3. Of 24, 30, 40.	19. Of 14, 21, 26, 39, 91.
4. Of 14, 18, 21.	20. Of 20, 30, 33, 44, 55.
5. Of 20, 22, 55.	21. Of 40, 45, 48, 60, 72.
6. Of 10, 45, 54.	22. Of 14, 34, 35, 85, 119.
7. Of 24, 39, 104.	23. Of 38, 70, 95, 133.
8. Of 96, 120, 160.	24. Of 10, 35, 46, 115.
9. Of 6, 10, 15, 25.	25. Of 21, 35, 51, 85, 119.
10. Of 30, 42, 70, 105.	26. Of 33, 39, 77, 91, 143.
11. Of 18, 50, 75, 90.	27. Of 34, 38, 85, 95, 323.
12. Of 30, 34, 51, 85.	28. Of 51, 69, 85, 115, 391.
13. Of 15, 20, 24, 25.	29. Of 87, 203, 231, 319.
14. Of 12, 15, 18, 20.	30. Of 715 and 1001.
15. Of 21, 28, 35, 60.	31. Of 889 and 1651.
16. Of 24, 30, 36, 40, 45.	32. Of 291, 485, and 679.

33. The driving wheels of three locomotives are respectively 14, 15, and 18 ft. in circumference. What is the shortest distance in which all of the wheels will make an exact number of revolutions?

34. What is the least quantity of starch that can be packed in 150-pound barrels, 40-pound boxes, or 24-pound packages?

35. A trader has exactly enough money to buy horses at $75, mules at $50, cows at $30, or Suffolk hogs at $12 each. How much money has he?

36. A can walk around a race-track in 12 min., B in 15, C in 18, and D in 20 min. If they start from the same place at the same time, and walk in the same direction, in what time will all first arrive at the starting place?

37. A coal-dealer has five bins whose capacities are respectively 102, 114, 255, 285, and 323 bu. What is the smallest number of bushels that could be measured exactly in each?

ANSWERS.

ARTICLE 90.

1.	84.	**13.**	600.	**25.**	1785.
2.	90.	**14.**	180.	**26.**	3003.
3.	120.	**15.**	420.	**27.**	3230.
4.	126	**16.**	360.	**28.**	5865.
5.	220.	**17.**	420.	**29.**	6699.
6.	270.	**18.**	540.	**30.**	5005.
7.	312.	**19.**	546.	**31.**	11557.
8.	480.	**20.**	660.	**32.**	10185.
9.	150.	**21.**	720.	**33.**	630 ft.
10.	210.	**22.**	1190.	**34.**	600 lb.
11.	450.	**23.**	1330.	**35.**	$300.
12.	510.	**24.**	1610.	**36.**	3 hrs.
				37.	9690 bu.