

I.

Find the L.C.M. of:—

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| 1. 7, 3, 56, 49, 21. | 5. 120, 144, 24, 96. |
| 2. 35, 45, 55, 65. | 6. 10, 14, 15, 21, 28. |
| 3. 19, 38, 15, 20. | 7. 22, 26, 30, 32, 39. |
| 4. 12, 15, 16, 21. | 8. 96, 110, 120, 121. |

Find by factoring the H.C.F. and L.C.M. of:—

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| 9. 66, 99. | 13. 720, 840. | 17. 60, 75, 90. |
| 10. 56, 140. | 14. 37, 518. | 18. 26, 52, 65. |
| 11. 51, 68. | 15. 205, 287. | 19. 24, 60, 72, 108. |
| 12. 45, 81. | 16. 230, 414. | 20. 19, 38, 57, 114. |

Find the H.C.F. of:—

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| 21. 14112 and 22176. | 25. 8874 and 17697. |
| 22. 18776 and 49287. | 26. 2079 and 33638. |
| 23. 735 and 1176. | 27. 567, 1674 and 4041. |
| 24. 1065 and 16614. | 28. 354, 876, and 3645. |

Reduce to lowest terms without using H.C.F.:—

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|-------------------------|--------------------------|---------------------------|-------------------------------|
| 29. $\frac{90}{105}$. | 35. $\frac{17}{153}$. | 41. $\frac{763}{1414}$. | 47. $\frac{195000}{221000}$. |
| 30. $\frac{99}{153}$. | 36. $\frac{729}{810}$. | 42. $\frac{111}{370}$. | 48. $\frac{1590}{1850}$. |
| 31. $\frac{63}{117}$. | 37. $\frac{133}{161}$. | 43. $\frac{455}{1645}$. | 49. $\frac{999}{1017}$. |
| 32. $\frac{330}{570}$. | 38. $\frac{39}{780}$. | 44. $\frac{1775}{2950}$. | 50. $\frac{870}{1740}$. |
| 33. $\frac{150}{225}$. | 39. $\frac{147}{2856}$. | 45. $\frac{925}{1025}$. | 51. $\frac{5750}{33500}$. |
| 34. $\frac{212}{265}$. | 40. $\frac{714}{918}$. | 46. $\frac{483}{920}$. | 52. $\frac{11650}{15850}$. |

Reduce to lowest terms, using H.C.F.:—

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|---------------------------|---------------------------|-----------------------------|
| 53. $\frac{247}{380}$. | 59. $\frac{591}{1576}$. | 65. $\frac{1197}{1477}$. |
| 54. $\frac{53}{265}$. | 60. $\frac{1775}{1925}$. | 66. $\frac{79}{4819}$. |
| 55. $\frac{791}{1017}$. | 61. $\frac{477}{756}$. | 67. $\frac{8307}{72900}$. |
| 56. $\frac{1515}{1616}$. | 62. $\frac{703}{4107}$. | 68. $\frac{12423}{13653}$. |
| 57. $\frac{3913}{7839}$. | 63. $\frac{4720}{9063}$. | 69. $\frac{13690}{99900}$. |
| 58. $\frac{103}{7519}$. | 64. $\frac{999}{2835}$. | 70. $\frac{9664}{9696}$. |

Define *prime factor*, H.C.F., L.C.M.