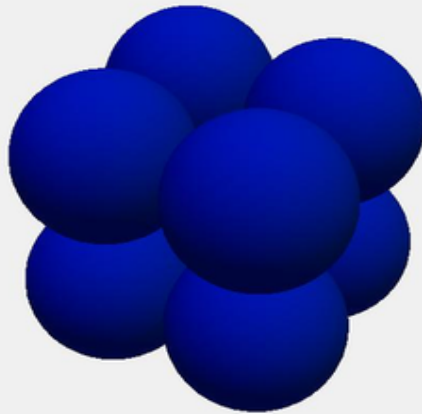


MathCon

The Mathematics Firm

Factorización

Problemas sobre factorización entera



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- 1.1. Factorizar los siguientes números enteros por inspección. 2

Capítulo 1

Factorización

1.1. Factorizar los siguientes números enteros por inspección.

1. 216	Sol: $2^2, 3^3$.
2. 324	Sol: $2^2, 3^4$.
3. 96	Sol: $2^5, 3$.
4. 144	Sol: $2^4, 3^2$.
5. 486	Sol: $2, 3^5$.
6. 128	Sol: 2^7 .
7. 648	Sol: $2^3, 3^4$.
8. 972	Sol: $2^2, 3^5$.
9. 432	Sol: $2^4, 3^3$.
10. 1944	Sol: $2^3, 3^5$.
11. 3888	Sol: $2^4, 3^5$.
12. 2592	Sol: $2^5, 3^4$.
13. 768	Sol: $2^8, 3$.
14. 5832	Sol: $2^3, 3^6$.
15. 1152	Sol: $2^7, 3^2$.
16. 8748	Sol: $2^2, 3^7$.
17. 2592	Sol: $2^5, 3^4$.
18. 1728	Sol: $2^6, 3^3$.
19. 5184	Sol: $2^6, 3^4$.
20. 11664	Sol: $2^4, 3^6$.
21. 17496	Sol: $2^3, 3^7$.

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| 22. 7776 | Sol: $2^5, 3^5$. |
| 23. 26244 | Sol: $2^2, 3^8$. |
| 24. 3456 | Sol: $2^7, 3^3$. |
| 25. 2304 | Sol: $2^8, 3^2$. |
| 26. 15552 | Sol: $2^6, 3^5$. |
| 27. 23328 | Sol: $2^5, 3^6$. |
| 28. 540 | Sol: $2^2, 3^3, 5$. |
| 29. 360 | Sol: $2^3, 3^2, 5$. |
| 30. 1000 | Sol: $2^3, 5^2$. |
| 31. 240 | Sol: $2^4, 3, 5$. |
| 32. 600 | Sol: $2^3, 3, 5^2$. |
| 33. 1500 | Sol: $2^2, 3, 5^3$. |
| 34. 144 | Sol: $2^4, 3^2$. |
| 35. 540 | Sol: $2^2, 3^3, 5$. |
| 36. 900 | Sol: $2^2, 3^2, 5^2$. |
| 37. 400 | Sol: $2^4, 5^2$. |
| 38. 4860 | Sol: $2^2, 3^5, 5$. |
| 39. 15000 | Sol: $2^3, 3, 5^4$. |
| 40. 5400 | Sol: $2^3, 3^3, 5^2$. |
| 41. 2160 | Sol: $2^4, 3^3, 5$. |
| 42. 1944 | Sol: $2^3, 3^5$. |
| 43. 22500 | Sol: $2^2, 3^2, 5^4$. |
| 44. 3600 | Sol: $2^4, 3^2, 5^2$. |
| 45. 9000 | Sol: $2^3, 3^2, 5^3$. |
| 46. 4860 | Sol: $2^2, 3^5, 5$. |
| 47. 8100 | Sol: $2^2, 3^4, 5^2$. |
| 48. 120 | Sol: $2^3, 3$. |
| 49. 980 | Sol: $2^2, 5, 7^2$. |
| 50. 252 | Sol: $2^2, 3^2, 7$. |
| 51. 180 | Sol: $2^2, 3^2, 5$. |
| 52. 1050 | Sol: $2, 3, 5^2, 7$. |
| 53. 567 | Sol: $3^4, 7$. |
| 54. 420 | Sol: $2^2, 3, 5, 7$. |

55. 378	Sol: 2, 3 ³ , 7.
56. 1470	Sol: 2, 3, 5, 7 ² .
57. 2450	Sol: 2, 5 ² , 7 ² .
58. 115	Sol: 23, 5.
59. 203	Sol: 29, 7.
60. 57	Sol: 19, 3.
61. 221	Sol: 17, 13.
62. 93	Sol: 31, 3.
63. 493	Sol: 29, 17.
64. 1457	Sol: 47, 31.
65. 799	Sol: 47, 17.
66. 851	Sol: 37, 23.
67. 95	Sol: 5, 19.
68. 129	Sol: 3, 43.
69. 74	Sol: 37, 2.
70. 667	Sol: 29, 23.
71. 1591	Sol: 37, 43.
72. 493	Sol: 29, 17.
73. 209	Sol: 19, 11.
74. 713	Sol: 23, 31.
75. 407	Sol: 11, 37.
76. 493	Sol: 29, 17.
77. 2209	Sol: 47, 47.
78. 403	Sol: 13, 31.
79. 1591	Sol: 37, 43.
80. 301	Sol: 43, 7.
81. 611	Sol: 13, 47.
82. 782	Sol: 23, 2, 17.
83. 105	Sol: 3, 5, 7.
84. 182	Sol: 2, 7, 13.
85. 561	Sol: 3, 11, 47.
86. 195	Sol: 3, 5, 13.
87. 255	Sol: 3, 5, 17.

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| 88. 138 | Sol: 2, 3, 23. |
| 89. 261 | Sol: 3, 3, 29. |
| 90. 182 | Sol: 2, 7, 13. |
| 91. 231 | Sol: 3, 7, 11. |
| 92. 578 | Sol: 2, 17, 17. |
| 93. 725 | Sol: 5, 5, 29. |
| 94. 33511 | Sol: 47, 31, 23. |
| 95. 6293 | Sol: 7, 31, 29. |
| 96. 36075 | Sol: 5, 3, 37, 13, 5. |
| 97. 377363 | Sol: 31, 37, 47, 7. |
| 98. 80883 | Sol: 11, 3, 43, 19, 3. |
| 99. 111826 | Sol: 11, 17, 13, 2, 23. |
| 100. 52921433 | Sol: 37, 31, 37, 43, 29. |