Finding Two Numbers

Determine the two numbers which when multiplied yield the given product and when added together result in the given sum.

1. Sum = 10, Product = 9	2. Sum = 12, Product = 11	3. Sum = 18, Product = 81
4. Sum = 16, Product = 28	5. Sum = 18, Product = 77	6. Sum = 23, Product = 132
7. Sum = 21, Product = 90	8. Sum = 19, Product = 88	9. Sum = 19, Product = 78
10. Sum = 2, Product = 1	11. Sum = 19, Product = 84	12. Sum = 7, Product =10
13. Sum =15, Product = 26	14. Sum = 4, Product = 4	15. Sum = 18, Product = 80
16. Sum = 20, Product = 84	17. Sum = 21, Product = 110	18. Sum = 20, Product = 99
19. Sum = 10, Product = 25	20. Sum = 20, Product = 91	21. Sum = 22, Product = 120
22. Sum = 19, Product = 90	23. Sum =13, Product = 42	24. Sum = 11, Product = 30
25. Sum = 5, Product = 6	26. Sum =16, Product = 15	27. Sum = 17, Product = 72
28. Sum = 13, Product = 12	29. Sum = 22, Product = 105	30. Sum = 20, Product = 96
31. Sum = 13, Product = 30	32. Sum = 3, Product = 2	33. Sum = 11, Product = 28
34. Sum = 21, Product = 98	35. Sum = 16, Product = 48	36. Sum = 14, Product = 48
37. Sum = 12, Product = 36	38. Sum = 12, Product = 27	39. Sum = 14, Product = 24
40. Sum = 14, Product = 40	41. Sum = 17, Product = 30	42. Sum = 20, Product =100
43. Sum = 21, Product = 104	44. Sum = 22, Product = 112	45. Sum = 8, Product =16
46. Sum = 9, Product = 20	47. Sum = 6, Product = 8	48. Sum = 4, Product = 3
49. Sum = 12, Product = 35	50. Sum = 17, Product = 52	51. Sum = 15, Product = 56
52. Sum = 7, Product = 12	53. Sum = 14, Product =13	54. Sum = 18, Product = 72
55. Sum = 15, Product = 44	56. Sum = 23, Product = 120	57. Sum = 19, Product = 70
58. Sum = 5, Product =4	59. Sum = 10, Product = 24	60. Sum = 6, Product = 9
61. Sum = 13, Product = 22	62. Sum = 10, Product = 21	63. Sum = 18, Product = 56
64. Sum =10, Product =16	64. Sum = 21, Product = 108	65. Sum = 15, Product =14
67. Sum = 16, Product = 64	68. Sum = 8, Product =12	69. Sum = 12, Product = 32
70. Sum = 13, Product = 40	71. Sum = 17, Product = 42	72. Sum = 14, Product = 33
73. Sum = 9, Product = 8	74. Sum = 21, Product = 108	75. Sum = 14, Product = 45
76. Sum = 16, Product = 63	77. Sum = 20, Product = 75	78. Sum = 8, Product =15
79. Sum = 11, Product = 24	80. Sum = 13, Product = 36	81. Sum = 6, Product = 5
82. Sum = 15, Product = 36	83. Sum = 17, Product = 70	84. Sum = 22, Product = 117
85. Sum = 12, Product = 20	86. Sum = 23, Product = 126	87. Sum = 15, Product = 50
88. Sum = 18, Product = 65	89. Sum = 19, Product = 60	90. Sum = 14, Product = 49
91. Sum = 16, Product = 60	92. Sum = 9, Product = 14	93. Sum = 16, Product = 55
94. Sum =1 6, Product = 39	95. Sum = 24, Product = 135	96. Sum = 18, Product = 45
97.Sum = 7, Product = 6	98. Sum = 23, Product = 130	99. Sum =15, Product = 54
100. Sum = 17, Product = 66	101. Sum = 22, Product = 121	102. Sum = 24, Product =140
104. Sum = 9, Product =18	105. Sum = 11, Product = 18	106. Sum = 17, Product = 60

Determine the two numbers which when multiplied yield the given product and when subtracted result in the given difference

1. Diff = 5, Product = 36	2. Diff = 4, Product = 77	3. Diff = 9, Product = 90
4. Diff = 3, Product = 130	5. Diff = 16, Product = 16	6. Diff = 10, Product = 96
7. Diff = 2, Product = 168	8. Diff = 6, Product = 135	9. Diff = 6, Product = 40
10. Diff = 2, Product = 8	11. Diff = 14, Product = 32	12. Diff = 4, Product = 140
13. Diff = 10, Product = 24	14. Diff = 5, Product = 84	15. Diff = 8, Product = 128
16. Diff = 2, Product = 143	17. Diff = 3, Product = 10	18. Diff = 1, Product = 30
19. Diff = 10, Product = 11	20. Diff = 13, Product =48	21. Diff = 8, Product = 65
22. Diff = 4, Product = 117	23. Diff = 3, Product = 154	24. Diff = 7, Product = 144
25. Diff = 1, Product = 2	26. Diff = 6, Product = 91	27. Diff = 4, Product = 21
28. Diff = 12, Product = 64	29. Diff = 9, Product =112	30. Diff = 11, Product = 80
31. Diff = 2, Product = 120	32. Diff = 2, Product = 35	33. Diff = 2, Product = 80
34. Diff = 3, Product = 18	35. Diff = 11, Product = 26	36. Diff = 2, Product = 15
37. Diff = 5, Product = 126	38. Diff = 11, Product = 12	39. Diff = 3, Product = 108
40. Diff = 3, Product = 40	41. Diff = 2, Product = 3	42. Diff = 9, Product = 70
43. Diff = 3, Product = 180	44. Diff = 5, Product = 104	45. Diff = 7, Product = 98
46. Diff = 4, Product = 12	47. Diff = 9, Product = 52	48. Diff = 3, Product = 40
49. Diff = 12, Product = 28	50. Diff = 1, Product = 42	51. Diff = 1, Product = 72
52. Diff = 7, Product = 30	53. Diff = 4, Product = 45	54. Diff = 5, Product = 14
55. Diff = 10, Product = 75	56. Diff = 10, Product = 56	57. Diff = 7, Product = 60
58. Diff = 3, Product = 4	59. Diff = 7, Product = 78	60. Diff = 1, Product = 20
61. Diff = 9, Product = 22	62. Diff = 8, Product = 105	63. Diff = 5, Product = 24
64. Diff = 1, Product = 12	65. Diff = 6, Product = 112	66. Diff = 8, Product = 48
67. Diff = 12, Product = 13	68. Diff = 1, Product = 6	69. Diff = 3, Product = 28
70. Diff = 5, Product = 66	71. Diff = 5, Product = 6	72. Diff = 5, Product = 40
73. Diff = 6, Product = 16	74. Diff = 2, Product = 63	75. Diff = 8, Product = 20
76. Diff = 13, Product = 30	77. Diff = 4, Product = 32	78. Diff = 2, Product = 48
79. Diff = 8, Product = 33	80. Diff = 9, Product = 36	81. Diff = 14, Product = 15
82. Diff = 8, Product = 9	83. Diff = 6, Product = 72	84. Diff = 6, Product = 7
85. Diff = 11, Product = 60	86. Diff = 3, Product = 54	87. Diff = 1, Product = 156
88. Diff = 3, Product = 70	89. Diff = 7, Product = 120	90. Diff = 8, Product = 84
91. Diff = 6, Product = 27	92. Diff = 3, Product = 88	93. Diff = 4, Product = 60
94. Diff = 6, Product = 55	95. Diff = 7, Product = 44	96. Diff = 10, Product = 39
97. Diff = 2, Product = 24	98. Diff = 7, Product = 18	99. Diff = 4, Product = 96
100. Diff = 1, Product = 56	101. Diff = 2, Product = 99	102. Diff = 1, Product = 132
103. Diff = 11, Product = 42	104. Diff = 5, Product = 150	105. Diff = 4, Product = 165
106. Diff = 7, Product = 8	107. Diff = 1, Product = 110	108. Diff = 12, Product = 45