

Amicable pairs less than 20,000 with their proper divisors

In each odd numbered line, the amicable pairs are given by **A** and **B**, and in the subsequent even numbered line the proper divisors are listed. There are **8** amicable pairs of numbers which are less than 20,000.

A: 220, B: 284,

L: [1,2,4,5,10,11,20,22,44,55,110][1,2,4,71,142]

A: 1184, B: 1210,

L: [1,2,4,8,16,32,37,74,148,296,592][1,2,5,10,11,22,55,110,121,242,605]

A: 2620, B: 2924,

L: [1,2,4,5,10,20,131,262,524,655,1310][1,2,4,17,34,43,68,86,172,731,1462]

A: 5020, B: 5564,

L: [1,2,4,5,10,20,251,502,1004,1255,2510][1,2,4,13,26,52,107,214,428,1391,2782]

A: 6232, B: 6368,

L: [1,2,4,8,19,38,41,76,82,152,164,328,779,1558,3116][1,2,4,8,16,32,199,398,796,1592,3184]

A: 10744, B: 10856,

L: [1,2,4,8,17,34,68,79,136,158,316,632,1343,2686,5372][1,2,4,8,23,46,59,92,118,184,236,472,1357,2714,5428]

A: 12285, B: 14595,

L: [1,3,5,7,9,13,15,21,27,35,39,45,63,65,91,105,117,135,189,195,273,315,351,455,585,819,945,1365,1755,2457,4095][1,3,5,7,15,21,35,105,139,417,695,973,2085,2919,4865]

A: 17296, B: 18416,

L: [1,2,4,8,16,23,46,47,92,94,184,188,368,376,752,1081,2162,4324,8648][1,2,4,8,16,1151,2302,4604,9208]

[{220,284},

{1184,1210},

{2620,2924},

{5020,5564},

{6232,6368},

{10744,10856},

{12285,14595},

{17296,18416}]