

**Given  $a$  and  $b$  are both integers, find the max and min positive integer value of  $a$**

$$a^2 - b^2 = 56$$

$$a^2 - b^2 = 57$$

$$a^2 - b^2 = 65$$

$$a^2 - b^2 = 35$$

$$a^2 - b^2 = 21$$

$$a^2 - b^2 = 20$$

$$a^2 - b^2 = 98$$

$$a^2 - b^2 = 64$$

$$a^2 - b^2 = 80$$

$$a^2 - b^2 = 34$$

$$a^2 - b^2 = 83$$

$$a^2 - b^2 = 5$$

$$a^2 - b^2 = 31$$

$$a^2 - b^2 = 51$$

$$a^2 - b^2 = 45$$

$$a^2 - b^2 = 28$$

$$a^2 - b^2 = 1$$

$$a^2 - b^2 = 90$$

$$a^2 - b^2 = 44$$

$$a^2 - b^2 = 99$$

$$a^2 - b^2 = 14$$

$$a^2 - b^2 = 50$$

$$a^2 - b^2 = 3$$

$$a^2 - b^2 = 46$$

$$a^2 - b^2 = 2$$

$$a^2 - b^2 = 7$$

$$a^2 - b^2 = 47$$

$$a^2 - b^2 = 10$$

$$a^2 - b^2 = 32$$

$$a^2 - b^2 = 81$$

$$a^2 - b^2 = 33$$

$$a^2 - b^2 = 49$$

$$a^2 - b^2 = 30$$

$$a^2 - b^2 = 85$$

$$a^2 - b^2 = 41$$

$$a^2 - b^2 = 12$$

$$a^2 - b^2 = 87$$

$$a^2 - b^2 = 92$$

$$a^2 - b^2 = 58$$

$$a^2 - b^2 = 22$$

$$a^2 - b^2 = 18$$

$$a^2 - b^2 = 26$$

$$a^2 - b^2 = 77$$

$$a^2 - b^2 = 29$$

$$a^2 - b^2 = 76$$

$$a^2 - b^2 = 94$$

$$a^2 - b^2 = 100$$

$$a^2 - b^2 = 54$$



$$a^2 - b^2 = 55$$

$$a^2 - b^2 = 91$$

$$a^2 - b^2 = 43$$

$$a^2 - b^2 = 63$$

$$a^2 - b^2 = 38$$

$$a^2 - b^2 = 60$$

$$a^2 - b^2 = 24$$

$$a^2 - b^2 = 13$$

$$a^2 - b^2 = 27$$

$$a^2 - b^2 = 86$$

$$a^2 - b^2 = 37$$

$$a^2 - b^2 = 75$$

$$a^2 - b^2 = 67$$

$$a^2 - b^2 = 79$$

$$a^2 - b^2 = 42$$

$$a^2 - b^2 = 84$$

$$a^2 - b^2 = 71$$

$$a^2 - b^2 = 89$$

$$a^2 - b^2 = 72$$

$$a^2 - b^2 = 39$$

$$a^2 - b^2 = 93$$

$$a^2 - b^2 = 88$$

$$a^2 - b^2 = 66$$

$$a^2 - b^2 = 78$$

$$a^2 - b^2 = 11$$

$$a^2 - b^2 = 8$$

$$a^2 - b^2 = 23$$

$$a^2 - b^2 = 19$$

$$a^2 - b^2 = 25$$

$$a^2 - b^2 = 68$$

$$a^2 - b^2 = 74$$

$$a^2 - b^2 = 70$$

$$a^2 - b^2 = 40$$

$$a^2 - b^2 = 73$$

$$a^2 - b^2 = 53$$

$$a^2 - b^2 = 36$$

$$a^2 - b^2 = 69$$

$$a^2 - b^2 = 4$$

$$a^2 - b^2 = 61$$

$$a^2 - b^2 = 6$$

$$a^2 - b^2 = 82$$

$$a^2 - b^2 = 62$$

$$a^2 - b^2 = 9$$

$$a^2 - b^2 = 17$$

$$a^2 - b^2 = 97$$

$$a^2 - b^2 = 96$$

$$a^2 - b^2 = 48$$

$$a^2 - b^2 = 16$$



$$a^2 - b^2 = 95$$

$$a^2 - b^2 = 15$$

$$a^2 - b^2 = 59$$

$$a^2 - b^2 = 52$$