

Problems to try

The Philomath Club

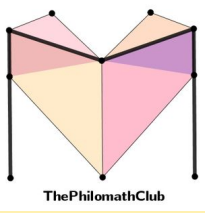


Evaluate $1^2 - 2^2 + 3^2 - 4^2 + 5^2 - 6^2 + \dots + 99^2 - 100^2$



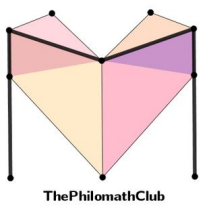
What are the two natural numbers whose difference is 66 and the least common multiple is 360.





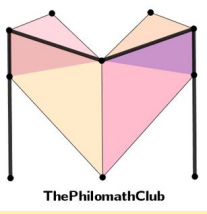
**Find the largest
number which would
divide 50 and 60
leaving remainders 8
and 4 respectively.**





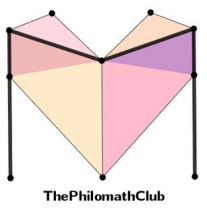
**Find the greatest
prime number that
will divide 12260
leaving remainder 17**





The cost of 4 chairs and 5 tables is Rs. 14800/- and that of 5 chairs and 4 tables is Rs. 14000/-. Find the price of a chair and of a table





$$2 \times 2 \times 2 = 2^3$$

