



Practice – 1

Once you feel confident with Maximum and Minimum Problems: Numbers Problems, complete problems 1 and 2. Check your answers by going to the Solutions tab in Moodle.

Instructions: Answer each of the following practice questions on a separate piece of paper. Step by step solutions are provided under the Solutions tab. You will learn the material more thoroughly if you complete the questions before checking the answers.

1. Find two consecutive natural numbers such that the sum of the larger number and four times the reciprocal of the smaller number is a minimum.
2. The sum of two positive numbers is 4. If the sum of their cubes is a minimum, what are the two numbers?