

Worksheet Number Sixteen

Gelosia Multiplication and Omar Khayyam's Cubics

Use the gelosia method to multiply 3852 times 5873.

Use the gelosia method to multiply 1.573 times 372.6

Here is a particular cubic equation : $x^3 + x - 2 = 0$.

If you use Omar Khayyam's method to create a parabola and a circle for this cubic, and then graph them on a calculator and trace to the intersection, you will solve this cubic. Do it.

Now that you know one root of this cubic, find the other two, by doing a division and then solving a quadratic equation..