



Greater Testing Concepts
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Dear Coordinator,

Welcome to the fifth annual Mandelbrot Team Play contest. The goal of this competition is to introduce students to accessible topics in high school mathematics in a creative manner; to foster effective teamwork; and to promote and develop mathematical writing skills. We hope that your students enjoy the experience and benefit from taking part. All the forms associated with the Team Play may be downloaded from our web site—just click on the [Forms](#) link on the left sidebar and scroll to the bottom of that page. These forms include this welcome letter, instructions for administering the contest, the Team Play tips sheet, sets of practice questions with answers for each round, and the student response sheet. The test originals for each round will be available for download as of Thursday before the corresponding contest dates by logging in at the web site. (See the instructions form for details.) A link for downloading solutions will appear by Thursday of the second contest week.

The dates pertaining to the three rounds of the 2012 Mandelbrot Team Play are listed here.

Round	Contest window	Grading session	Results posted
One	January 2–14	February 4	February 7
Two	Jan 30–Feb 11	March 3	March 6
Three	Feb 27–Mar 10	March 31	April 3

Please schedule the tests for a given round at any convenient point during the two week time frame indicated. If a conflict arises preventing participation during the designated weeks, please contact us in order to make alternate arrangements. Student papers should reach Greater Testing Concepts no later than the grading date shown in order to be included with the results for that round. *For coordinators who send papers via expedited mail:* please waive the requirement for signature upon delivery. This will ensure that your envelope is placed immediately in our secure P.O. Box, thereby reaching us sooner.

As with the Mandelbrot Competition, there are resources available for coordinators interested in helping students to prepare for the Mandelbrot Team Play. Begin by working through the practice problems included with the Team Play topics for each round and checking the answers. These are available along with other forms at the web site. Compilations of past contests, *Mandelbrot Morsels* and *The Mandelbrot Problem Book*, may also be ordered at www.artofproblemsolving.com. As usual we plan to recognize the highest ranking schools, so the top five distinct schools will be awarded an engraved plaque to showcase. If you have any further questions regarding the contest, just check out the FAQ (Frequently Asked Questions) page at the web site, or contact us by sending email to info@mandelbrot.org. Enjoy the Team Play!

Sincerely,

Sam Vandervelde
Competition Coordinator