

Math 207 Spring 2022
Mathematics Honors Seminar (Lower Division)
The Secrets of Mental Math
Meeting times: Thursday, 12:00–12:50 in Samuelson 117

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Office Hours: Monday 11:00–12:00, Wednesday 9:00–10:00, and by appointment

The Mathematics Honors Seminars at Central Washington University give students a chance to learn and apply mathematics beyond what is taught in most courses. We will learn new fields, study their history, and learn to access modern research in mathematics. We will also practice our skills in speaking about and writing about mathematics.

In this quarter's seminar, we will be focusing on Mental Math. Skills addressed will include:

- Party Tricks
- Addition
- Subtraction
- 2×1 -digit multiplication
- 2-digit squares
- Days of the week
- 3×1 -digit multiplication
- Square roots
- Vedic Division
- Advanced multiplication

Required Text:

Secrets of Mental Math, by Arthur Benjamin and Michael Shermer, Three Rivers Press.

What will happen in the course: For the most part, classes will combine a little bit of lecture with a lot of practice of the material in the readings.

Evaluation and Grading:

Evaluation will be done primary on your effort in this class. You will be expected to spend 2 hours per week (about 15 minutes per day) reading about and practicing the techniques we learn about in class. You will keep a log of your practice. If you meet your practice goal, you'll earn a good grade!

Students with disabilities who wish to set up academic adjustments in this class should confirm with me that I have received a copy of their "Confirmation of Eligibility for Academic Adjustments" from the Center for Disability Services as soon as possible so we can discuss how the approved adjustments will be implemented in class. Students without this form should contact the Center for Disability Services.