

Appendix I: Practice and Preparation for Math Escape Room for Teachers and Directors.

The Math Escape Room Competition requires students to use general math skills and especially logic to work through 3-4 math problems. Each successful math solution will sometimes reveal hints for students that will help them to solve the escape room portion of the challenge. In order to prepare for the competition please feel free to use the resources below. Please let your teachers and students know which options will be available to them.

- **DEMO:** You may use the escape rooms from 2021 or 2022 as a demonstration. This will allow students and teachers to see what the escape room platform looks like and solve last year's escape room. This is the best method for students to practice the mechanics of the escape room and what it is like to solve them. The math questions will already be solved. You can also request any of the rooms listed below under Practice Room. To use this option go to play.brainchase.com/login.
 - a. For the 2021 Escape Room "Beethoven's Quill" you may use Username: Demo1_student Password: demo1
 - b. For the 2022 Escape Room "Escape from the Smithsonian" you may use Username: Demo2_CSLAMS Password: demo2
- **PRACTICE ROOM.** You may use the preliminary or regional escape rooms from last year or from the 2021 school year as practice rooms. This will reset the room for students and teachers to solve both the math problems and the escape room. This option requires the purchase of unique logins. If you would like to purchase unique logins for your students and teachers to practice with the competitions from past years please contact Rose, rcureton@pacific.edu for log-ins. The possible rooms you could select from are:
 - a. Beethoven's Quill (Prelims 2021)
 - b. Nefertari's Tomb (Regionals 2021)
 - c. Escape from the Smithsonian (Prelims 2022)
 - d. Shackleton's Sextant (Regionals 2022)
- **ESCAPE ROOM EVENT.** Students can get practice with the escape room platform and you can host a fun virtual event by purchasing the "Locked in the Library" Escape Room from <https://shop.brainchase.com/product/locked-in-the-library/>. Please make sure to purchase this escape room (so we make sure not to accidentally purchase the escape room that we will use for the event). This escape room will give students experience with the escape room portion of the event without the math. These rooms are longer than the ones actually used in the competition so that students get a good sense of how to navigate the escape room and solve clues. We suggest giving students an hour to

solve the room and perhaps offering a prize to the first ones that finish. Here is the pricing chart by number of participants:

Total Participants	5	10	15	20	35	50	65	80	100	125	150	175	200	200 +
Pricing	\$39	\$79	\$99	\$129	\$199	\$249	\$299	\$349	\$379	\$399	\$429	\$479	\$499	Contact us

- **MATH PRACTICE.** A Google Drive is linked at the end of the rules document with a folder containing practice math problems. These problems are taken from our bank of math problems used to select the actual problems and will be similar in terms of their focus on logic and critical thinking. Teachers will also be able to access our Math Escape Room curriculum resources through the Statewide Canvas site. These resources will give students practice with the basic math skills that students may be required to know to complete the challenges. It also will provide games and self evaluation resources that will be very helpful especially for MESA math teachers and MESA electives.