

Camp Mathematician!

Use your Math skills to prepare for camping fun!

Task #1 - Grab a piece of paper and some crayons or markers. Draw a picture of yourself in your camp uniform. Since you are going to Camp Mathematician, perhaps you can add patterns, numbers, and/or shapes? Be creative!

Task #2 - You will need to be prepared for Camp Mathematician! You will be there for two weeks. Make a list of all of the items you will need to bring with you. For example, how many pairs of pajamas, shorts, and socks will you need? How many items will you bring with you in total? Making a tally may help you to count faster!

Task #3 - Create a model of what your cabin will look like using popsicle sticks and a glue gun (you will need a parent to help you!) What 2D and 3D shapes can you find in your cabin? You may also wish to draw a blueprint of what your cabin looks like on the inside! Have fun!

There will be a fireworks display at Camp Mathematician on July 1st! Until then, you can see a show when you practice your Math skills in this fun game!

https://www.abcya.com/games/100_number_grid

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Task 1: Welcome to Camp Mathematician! What cabin will you be sleeping in? Solve one of the following problems to find out!

Your cabin is a three-digit number. The sum of its digits is 13. The digit in its ones place is three times the number in its hundreds place. The hundreds place is even. Your cabin number is less than 500.

Your cabin is a 4 digit number. The sum of its digits is 21. The digit in its ones place is 4 times the number in its thousands place. The number in the hundreds place is half of a dozen. Your cabin number is less than 4000.

Task 2: To begin your camp adventure, you and your cabin mates will create a sign for your cabin! You can make it look however you like, but it must have a perimeter of 16m. Draw it out and label the sides. Your sign must include your cabin name, as well as have a border that is a pattern. If you can, use 2-D shapes, and at least one 3-D shape to create some of the letters in your sign. Be creative and have Fun!

Task 3: It's time to eat! Each picnic table in the dining hall seats 6 people. If there are 99 campers, how many picnic tables are needed so that everyone has a place to sit?

<https://gregtangmath.com/kakooma>

Middle School — Math Challenge

Task 1: Multiplication

The Food Bank received a donation of 225 cases of 24 cans of soup, and 320 cases with 48 cans of soup. Estimate first, then find how many cases can be made that contain 12 cans of soup. (MMS, Grade 6, p. 54)

Task 2: Find the Quotient

Sam feeds his dog $\frac{4}{5}$ of a can of wet food each day. Sam has 12 cans of wet dog food. How many days' supply of dog food does Sam have? Draw a number line to show your answer. (MMS, Grade 8, p. 132)

Task 3: Greater Area Challenge

Work outside on a paved area with a sibling or parent. You will each need a 1 m length of string, a ruler, chalk, and a calculator. Your challenge is to use your string to create a shape with the greatest area. The string could be the radius, diameter, or circumference of a circle, the base or height of a parallelogram, or the base or height of a triangle. Calculate the area of your shapes. The player with the greatest area wins! (MMS, Grade 7, Unit 4 Teacher's Guide, p. V)

Use ctrl+click to play a fun fractions game!

<https://mrnussbaum.com/tony-fraction-s-pizza-shop-online-game>