Camp Mathematician!

Use your Math skills to prepare for camping fun!

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?

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