

# Connecticut's Summer Math Problem Solving Passport For Incoming Grade 2

*Created in partnership with the CT Council of Leaders of Mathematics  
Summer Math Work Group Committee*



**Your math adventure may take place inside and outside of your home or around town. You choose!**

1. Use information from inside and outside of your home, neighborhood, and around town.
2. You are encouraged to work together with a friend or family member to solve each problem.
3. Record your thinking and solution in the space provided.
4. Show an adult your work and have them ask you a question about your math adventure.
5. Try to complete all of the adventures in your problem solving passport!
6. Bring your passport back to school in the fall to show the adventures you completed in order to help your school receive recognition for your hard work!
7. Most importantly, **have fun** and **stay safe!**

**This passport belongs to:** \_\_\_\_\_

# Adventure #1: The Beach



Collect a group of rocks or shells.

- First, estimate how many rocks or shells you think is the same as the length of your beach towel?
- How did you come up with your estimate?
- Now, use your rocks or shells to measure the actual length of your beach towel.
- Compare the actual length to your estimate.

**Show Your Thinking Here:**

## Adventure #2: Hiking



Think about telling time to the nearest hour and half hour.

- About what time did you leave your house?
- About what time did you start your hike?
- About what time did you end your hike?
- About what time did you get back home?

**Show Your Thinking Here:**

## Adventure #3: Ice Cream



Take a trip to your local ice cream shop today, notice the flavors they have available.

*(If you can't get to an ice cream shop, you could look up an ice cream menu online.)*

- 1) How many flavors are there?
- 2) Imagine they are sold out of three flavors, how many would they still have?
- 3) If they added 10 new flavors, how many would they have?
- 4) If you could create a new ice cream flavor for the shop to sell, what would it be?

**Show Your Thinking Here:**

## Adventure #4: Gardening

Plants come in so many beautiful colors.

Head to a local garden center or even your yard or neighborhood and go on a color hunt.



- How many plants can you find that have red flowers?
- How many plants can you find that have yellow flowers?
- Now you choose a different color. How many plants have the color you chose?
- Create a bar graph to show the three different colors of plant data that you found.
- Tell two things that you notice about the data.

**Show Your Thinking Here:**

## Adventure #5: Playground



Look around any local playground.

- How many slides do you see?
- How many monkey bars do you see?
- How many sets of stairs do you see?

How you can organize the data you collected?

Can you make a table or a picture graph to show the data?

Make comparisons about your data. What questions can you ask?

**Show Your Thinking Here:**

## Adventure #6: Farmer's Market

Visit a local farmer's market or farm and pick a table of fruits or vegetables to look at.



- Collect data on how many fruit and vegetable containers there are.
- Create a bar graph to show the results.
- What do you notice about your data?

*(If you can't go to a farmer's market or farm, you can count how many of each fruit and vegetable you have in your fridge. Create a bar graph and make at least 2 observations about the data.)*

**Show Your Thinking Here:**