

Connecticut's Summer Math Problem Solving Passport For Incoming Grade 1

*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 10 rocks or shells. Separate some of the rocks or shells into one group. How many are in the other group? How many different ways can you break apart the number 10? Use the rocks or shells to show your thinking.

Show Your Thinking Here:

Adventure #2: Hiking



When you are on your hike look for items to compare.

What do you notice about the items?

- Trees- Which is taller?
- Rocks- Which is heavier?
- Sticks- Which is longer?

Explain how you know.

Show Your Thinking Here:

Adventure #3: Ice Cream



Favorite Ice Cream Flavors (Each cone = 1 person)



- 1) How many people like chocolate chip the most?
- 2) How many people like chocolate the most?
- 3) How many more people like vanilla than strawberry?
- 4) What is the most popular ice cream flavor?
- 5) Make up your own question about the graph.
- 6) What is your favorite ice cream flavor and why?

Show Your Thinking Here:

Adventure #4: Gardening



If you can plan a trip to a garden center, walk around and find your two favorite plants. What are they?

(If you can't make it to a garden center, you can research two favorite plants or find some in your yard or neighborhood.)

If you were going to buy 10 plants, and it could only be these two favorites, how many of each plant could you buy?

Create a representation to show what you would purchase.

(There are many possible combinations that you could make!)

Show Your Thinking Here:

Adventure #5: Playground

Playgrounds are full of flat and solid shapes. Head to your local playground and see how many shapes you can find. Draw them here!



Look for flat shapes like triangles, squares, rectangles and circles.
Look for solid shapes like cubes, cones, cylinders and spheres.

Show Your Thinking Here:

Adventure #6: Farmer's Market

Visit a local farm or farmer's market and choose two different fruits or vegetables.

- What do you notice?
- What is the same about them?
- What is different?



(If you can't go to a farm or farmer's market, use this image.)

Show Your Thinking Here: