

# H2O Olympics



Hello Fourth Graders and Families,

Splish! Splash! You are going to be participating in The Water Olympics! To prepare for this event you'll want to collect a few items. Three regular sized papers, one container, and a timer of some sort. If you do not have a timer, count the seconds yourself using the pattern, One Mississippi, Two Mississippi...etc. One last item is a type of measuring system such as a ruler, a yardstick, or measuring tape. If you do not have a measuring device, use your arm (the fingertip to elbow tip is around a foot in measurement.)

Now that you have all the supplies you will need to find a place for the games to occur outside. Locate a place that will be easy to throw water. You will use your origami skills to create a water throwing device. Don't forget, to get your parent(s) permission to determine the best area. You may get wet! Read over all directions before setting up for The Water Olympic events. It will be most important to stay safe during this project.

**Event #1 Create a Cup:** Use your paper and fold it as many times as you would like. Creating a little cup. Your goal is to pour water into the folded cup for 10 seconds or more. Be creative with your paper folding and think about capacity.

**Make a prediction of how many seconds do you think your cup will hold water?**

\_\_\_\_\_sec.

**How many seconds did the cup hold water?**

\_\_\_\_\_sec.

**Event #2 Create a boat:** Use your second paper to fold and create a boat. Your goal is to be able to float the boat for more than 20 seconds. You will need a container to hold the water. No adding any additional paper to your boat, you can only use one sheet of paper. Fold and tear only.

**Make a prediction of how many seconds your boat will float.**

\_\_\_\_\_sec.

**How many seconds did your boat float?**

\_\_\_\_\_sec.

**Event #3 Water Toss:** With your third paper fold a cup and find an area to toss water onto the cement or sidewalk. Fill the cup with water and measure how far the water will splash on the sidewalk or cement area. Toss it high into the air and measure the distance of how far the water can fly!!!

**Make a prediction how many feet will your water fly across the cement?**

\_\_\_\_\_ft.          \_\_\_\_\_in.

**How many feet did you splash water across the cement\_\_\_\_\_ ft.?**

**How many inches did you splash water across the cement\_\_\_\_\_ in.?**

Now complete the chart and determine your Medal in the WATER OLYMPICS!!!

Events	Prediction	Actual Results	Multiple Results	Total Grand total after multiplying
Event 1		_____sec.	X 120	
Event 2		_____sec.	X 1,000	
Events 3		_____in. _____ft.	X 1,550	
				<u>Grant Total</u> Add up totals from all the events_____

- If your grand total is less than One Million, you have earned a Bronze Medal. You can do three claps in the air and jump up and down for yourself.
- If your grand total is less than One Billion, but more than a million, you earned a Silver Medal. Swing your arms high in the air and jump up and down for yourself.
- If your grand total is more than One Billion you have earned a Gold Medal. Congratulations.

On the next page is a poster for you to create about your Olympic experience. What worked well? What do you need to change? Answer the questions on the next page.

# Water Olympics

Share your successes

The medal I earned and why?

Something I would change.....

What I learned

What I learned

Name:

Write your name so they look like tree branches. →

4-Letter Words

r \_ \_ e      l \_ \_ d  
 \_ i \_ y      \_ t \_ p  
 t \_ \_ \_      b r \_ \_  
 \_ r \_ p      \_ \_ o \_  
 \_ \_ \_ k      \_ p \_ n

Fill in the sentence with words so it makes sense.

Sometimes things \_\_\_\_\_ and then you have to \_\_\_\_\_.

Now write each heading in a column. Add more words to each group!

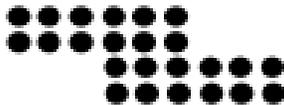
These are the headings.  
 kitchen bathroom  
 bedroom

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Add to the drawing below to show people eating lunch.



Draw lines or boxes to group the dots in a way that makes it easy to find the total.



Total Dots

**IF THINGS COULD TALK...**

"Don't twist me too hard" \_\_\_\_\_  
 "Put me next to the window" \_\_\_\_\_  
 "Turn me off when you leave" \_\_\_\_\_  
 \_\_\_\_\_ • an eraser  
 \_\_\_\_\_ • a stove  
 \_\_\_\_\_ • a window

**MOVE IT!**

Estimate (guess) how many jumping jacks you can do in 1 minute.  
 estimate: \_\_\_\_\_

Now have a friend keep track of time for 1 minute. See how many jumping jacks you can really do.  
 # of jumping jacks: \_\_\_\_\_

What is the difference between your estimate and the actual amount?  
 difference: \_\_\_\_\_