

# Maine Water Mathematics

*Winston is visiting an aquaculture hatchery with his class.*

*The students are helping with some important mathematics.*

*See if you can help Winston and the class make the correct calculations.*

1. Winston needs to find out how many gallons are in one grow tube. The largest measuring tools they have are ten gallon buckets. When they pour the water out of the tube it fills three ten gallon buckets. How many gallons are in one tube? \_\_\_\_\_

What type of math did you use? \_\_\_\_\_

2. One of the other classmates, Nate needs to make sure the water stays cool enough. The thermometer says the water is 70° Fahrenheit in the hatchery tub room. The temp needs to be lowered to 55° Fahrenheit. How many degrees does Nate have to lower the thermostat so the water is the right temperature? \_\_\_\_\_

What type of math did you use? \_\_\_\_\_

3. Winston is looking into a microscope to count the number of shellfish larvae growing in one tablespoon of water. They counted 10 shellfish larvae in the water sample. How many baby seed shellfish are approximately in one cup of hatchery water? \_\_\_\_\_

Hint: there are 16 tablespoons in 1 cup of water. \_\_\_\_\_

What type of math operation did you use? \_\_\_\_\_

4. Another classmate Sara is counting how many pounds of salmon are being harvested from the rafts. The first basket is 10lbs, the second basket is 15lbs, and the third basket is 22lbs. How many pounds did Sara count in the baskets? \_\_\_\_\_

What type of math did you use? \_\_\_\_\_

5. The teacher is having a lot of fun practicing math with the students! She is given 5 pounds of clams for each of the students to take home. There are 15 students in the class. How many pounds will she need for the class if there are 3 students absent that day? \_\_\_\_\_

Did you use more than one math operation? \_\_\_\_\_

6. The hatchery manager shows Winston's class a large tank with 80 finfish in it. He wants to transfer the fish into 5 tanks equally. How many fish will each tank have? \_\_\_\_\_

What type of math did you use? \_\_\_\_\_

7. Bonus Question!!

What would 50° Fahrenheit equal if we converted it to Celsius?

Hint: to convert Fahrenheit to Celsius you subtract 32, multiply by 5, and divide by 9.

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