

# INTERDISCIPLINARY

SEPT 2013



Time: 25-45 min



**CCSS.Math.Content.7.RP.A.1**  
&  
**CCSS.ELA-Literacy.RST.6-8.7**

Compute unit rates associated with ratios of fractions, including ratios of lengths, areas and other quantities measured in like or different units.  
Integrate quantitative or technical information expressed in words in a text with a version of that information expressed visually.



### **EXTENSION:**

For more info, see pp 5-10:  
[http://pacificaqua.org/Aqua\\_Curriculum.pdf](http://pacificaqua.org/Aqua_Curriculum.pdf)

## Analyze Proportional Relationships to Solve Real-world Math Problems

### **In-class connection to aquaponics.**

**Scenario:** Students consider cost to benefit ratios for money put in to buy equipment, feed, fish stock, plants, etc. and the outcomes: production of fish/plants for food and sustainable living and careers (jobs) in aquaculture.

Factors such as value of food products and monetary value of sustainability can be pre-quantified by the teacher or investigated by students as an extension to this activity.

\*Extension resource: Connection to Section 2: The Business of Aquaculture (pp 5-10)