

## Lab Framework

**Text:** Cord

**Unit number and title:** UNIT 2 ESTIMATING ANSWERS

**Short Description:** seeing how many beans you can pick-up with one hand

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Lab Title  
estimating

### LAB PLAN

**TEACHER:** Teacher Prep/ Lesson Plan

- **Lab Objective**  
To learn how to estimate items
- **Statement of pre-requisite skills needed** (i.e., vocabulary, measurement techniques, formulas, etc.)  
Problem solving
- **Vocabulary**  
Estimate
- **Materials List**  
Five pounds of dry beans  
Plastic bowls depending on number of groups
- **GLEs (State Standards) addressed**  
Math: 1.1.8-5.3.2  
Reading: 1.2  
Writing:
- **Leadership Skills**  
Working with groups,
- **SCAN Skills/Workplace Skills**
- **Set-up information**  
Students will be given a description of what goal is to be reached and data is to be collected and preformed. Teacher will give the proper instructions on how to reach the goal.
- **Lab organization**(-Grouping/leadership opportunities/cooperative learning expectations; -**Timeline required**)  
Students will be working in groups to collect data for estimating
- **Teacher Assessment of student learning** (scoring guide, rubric)  
Recording records  
Calculating results  
Comparing data
- **Summary of learning** (to be finished after student completes lab)  
-discuss real world application of learning from lab  
-opportunity for students to share/present learning
- **Optional activities**

- **Career Application**  
Carpentry, contracting

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**LAB TITLE: Estimating**

**STUDENT INSTRUCTIONS:**

- **Statement of problem addressed by lab**
- **Grouping instructions and roles**
  - Students will be put in groups of three
  - One will be the recorder
  - One the counter
  - One grabbing the beans
- **Procedures** – steps to follow/instructions
  - You will be starting by estimating how many beans you can pick-up you're your right hand from the bowl. You will reach in the bowl get a hand full then put them in the next bowl with the counter who will count them and the recorder will record the true amount next to your estimate. You could continue by using your left hand depending on time.
- **Outcome instructions**
- **Assessment instructions** (peer-teacher)

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## Lab Data Collection

Student: \_\_\_\_\_ Date: \_\_\_\_\_

Unit: \_\_\_\_\_

Lab Title:

Criteria: Write the problem/objective in statement form

Data Collection: Record the collected/given data

Calculations: Complete the given calculations to solve for an answer(s)

Summary Statement:

Other Assessment(s)

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