



**Task Title: Diluting a Cleaning Product Using a Ratio**

OALCF Cover Sheet – Learner Copy

**Learner Name:** \_\_\_\_\_

**Date Started:** \_\_\_\_\_

**Date Completed:** \_\_\_\_\_

**Successful Completion:** Yes  No

**Goal Path:** Employment  Apprenticeship

Secondary School  Post Secondary  Independence

**Task Description:** The learner will use ratio and proportion to calculate mixtures and final products.

**Main Competency/Task Group/Level Indicator:**

- Understand and Use Numbers/Use measures/C3.2

**Materials Required:**

- Pen/pencil and paper and/or digital device
- Calculator or digital device with calculator function

## Learner Information

Cleaners use products that need to be mixed using ratio and proportion.

Scan the “**AllChem Glass Cleaner Concentrate**” label.

### DESCRIPTION

A uniquely formulated glass cleaning compound developed to penetrate and dissolve dirt and oily stains from glass and mirrors. A special blend of surfactants and wetting agents provide excellent cleaning without streaking. This is a heavy-duty institutional formula which offers quick cleaning for all types of applications.

### DIRECTIONS

This product is a highly concentrated cleaner and should be diluted before use. Dilute 1-part AllChem Glass Cleaner Concentrate with 10 parts water for a ready to use product. Spray an even mist onto surface, wipe over entire area then buff dry. For best results, use a lint free towel or cloth to wipe surface clean and use a second cloth to polish. Discard towels or cloths when they become heavily soiled. Sponges may be used for large areas, followed by drying with a squeegee or paper towels.



### CAUTION

Product harmful if swallowed. Contact physician immediately. For eye or skin contact, flush area with clear water for 15 minutes and consult physician immediately.

### STORAGE

Store in a cool, dry area away from direct sunlight and heat to avoid deterioration. Keep container sealed when not in use to prevent contamination. Do not reuse container for any other purpose.

### DISPOSAL

Disposal of this material, its mixtures and any spill residues must be in accordance with local regulations.

### ACTIVE INGREDIENT

Isopropyl Alcohol

**KEEP OUT OF REACH OF CHILDREN**

## Work Sheet

**Task 1: Calculate how much water is required to dilute 250mL of AllChem Glass Cleaner concentrate.**

Answer:

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**Task 2: Calculate how much AllChem Glass Cleaner concentrate is required if 1.45L of water is used.**

Answer:

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**Task 3: Calculate how much undiluted AllChem Glass Cleaner is needed to fill a 500mL spray bottle with mixed solution.**

Answer:

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**Task 4: If 1000mL of AllChem Glass Cleaner concentrate is used, calculate how much solution (water and cleaner) is made.**

Answer:

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