

Task Title: Using Fractions Everyday

# OALCF Cover Sheet – Practitioner Copy

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

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

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

|  |  |  |
| --- | --- | --- |
| **Goal Path:** | Employment | Apprenticeship |
| Secondary School | Post Secondary | Independence |

**Successful Completion:**  Yes No

**Task Description:** The learner will solve word problems involving calculations using fractions.

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

* Find and Use Information/Read continuous text/A1.1
* Understand and Use Numbers/Manage time/C2.2
* Manage Learning/E.1

**Materials Required:**

* Pen/pencil and paper and/or digital device
* Calculator or digital device with calculator function (optional)

# Learner Information

# In our daily lives, we often encounter problems involving fractions. We use fractions to solve problems involving baking and shopping, for example.

# Work Sheet

**Task 1: You are making Christmas cookies. One recipe calls for 1/2 tsp. of baking soda; a second recipe calls for 1/4 tsp. of baking soda; and a third recipe asks for 1/3 tsp. of baking soda. You have only 1 tsp of baking soda left in the box. Will you be able to make all 3 recipes? Explain.**

Answer:

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Task 2: A recipe calls for 1/4 cup of flour. You only have a 1/3 measuring cup. Is 1/3 cup more or less than you need?**

Answer:

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Task 3: You are comparison shopping for watches. One sign says 1/3 off the listed price. A second sign says 1/5 off the listed price and a third sign says 1/2 off the listed price. Which is the better bargain?**

Answer:

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Task 4: If you walk one mile in twenty minutes, how long will it take you to walk 5 1/2 miles?**

Answer:

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Task 5: Complete the Learner’s Self-Reflection checklist.**

**Learner’s Self-Reflection**

1. I know how to place fractions in order of size. Yes ❑ No ❑

2. I can visualize what part of a whole is meant by   
 different fractions. Yes ❑ No ❑

3. I can add and subtract fractions. Yes ❑ No ❑

4. I can multiply and divide fractions. Yes ❑ No ❑

5. I understand what a proper and an improper fraction is. Yes ❑ No ❑

6. I usually reduce fractions to their lowest terms. Yes ❑ No ❑

7. I read the question carefully to find clues to its solution. Yes ❑ No ❑

8. I can solve real life problems involving fractions. Yes ❑ No ❑

# Answers

**Task 1: You are making Christmas cookies. One recipe calls for 1/2 tsp. of baking soda; a second recipe calls for 1/4 tsp. of baking soda; and a third recipe asks for 1/3 tsp. of baking soda. You have only 1 tsp of baking soda left in the box. Will you be able to make all 3 recipes?**

Answer: 1/2 + 1/4 + 1/3 = 6/12 + 3/12 + 4/12 = 13/12 = 1 1/12. No, you will not be able to make all 3 recipes. You are short 1/12 of a tsp.

**Task 2: A recipe calls for 1/4 cup of flour. You only have a 1/3 measuring cup. Is 1/3 cup more or less than you need?**

Answer: 1/3 cup is more than ¼ cup. You have more than you need.

**Task 3: You are comparison shopping for watches. One sign says 1/3 off the listed price. A second sign says 1/5 off the listed price and a third sign says 1/2 off the listed price. Which is the better bargain?**

Answer: 1/2 off is a better bargain.

**Task 4: If you walk one mile in twenty minutes, how long will it take you to walk 5 1/2 miles?**

Answer: 20 x 5 1/2 = 20 x 11/2 = 220/2 = 110 minutes or 1 hour 50 minutes

**Task 5: Complete the Learner’s Self-Reflection checklist.**

Answers will vary by learner.

# Performance Descriptors

| Levels | Performance Descriptors | Needs Work | Completes task with support from practitioner | Completes task independently |
| --- | --- | --- | --- | --- |
| A1.1 | reads short texts to locate a single piece of information |  |  |  |
|  | decodes words and makes meaning of sentences in a single text |  |  |  |
|  | identifies the main idea in brief texts |  |  |  |
| C2.2 | calculates using numbers expressed as whole numbers, fractions, decimals and percentages |  |  |  |
|  | converts between units of time |  |  |  |
|  | makes simple estimates |  |  |  |
|  | interprets, represents and converts time using whole numbers, decimals, percentages, ratios and simple, common fractions (e.g. ½, ¼) |  |  |  |
|  | chooses and performs required operation(s); may make inferences to identify required operations |  |  |  |
|  | selects appropriate steps to reach solutions |  |  |  |
|  | uses strategies to check accuracy (e.g., estimating, using a calculator, repeating a calculation, using the reverse operation) |  |  |  |
| E.1 | sets short-term goals |  |  |  |
|  | identifies steps required to achieve goals |  |  |  |
|  | begins to monitor progress towards achieving goals |  |  |  |
|  | begins to identify barriers to achieving goals |  |  |  |
|  | begins to use a limited number of learning strategies |  |  |  |
|  | begins to identify ways to remember information and reinforce learning |  |  |  |
|  | uses feedback to improve performance |  |  |  |

This task: Was successfully completed Needs to be tried again

Learner Comments:

Instructor (print): Learner (print):

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**