



Task-based Activity Cover Sheet

Task Title: Create a Scale Drawing for Landscaping

<b>Learner Name:</b>	
<b>Date Started:</b>	<b>Date Completed:</b>
<b>Successful Completion:</b> Yes___ No___	
<b>Goal Path:</b> Employment✓ Apprenticeship✓ Secondary School___ Post Secondary ___ Independence ✓	
<b>Task Description:</b> Create a scale drawing for a front yard for a landscaping project.	
<b>Competency:</b> B: Communicate Ideas and Information C: Understand and Use Numbers	<b>Task Group(s):</b> B3: Complete and create documents C3: Use measures
<b>Level Indicators:</b> B3.3: Create more complex documents to sort, display and organize information C3.2: Use measures to make one-step calculations	
<b>Performance Descriptors:</b> see chart or click here	
<b>Skill Building Activities:</b> see the last page or click here	
<b>Materials Required:</b> <ul style="list-style-type: none"><li>• Pen and/or pencil</li><li>• 8½ x 11 grid paper or use grid paper attached</li><li>• Ruler</li><li>• The learner should understand scale and proportion</li></ul>	
<b>ESKARGO:</b> <b>Skills and Knowledge Required for Successful Task Performance</b> <ul style="list-style-type: none"><li>• Manages unfamiliar elements (vocabulary, context, topic) to complete the task</li></ul> <b>Completes Documents</b> <ul style="list-style-type: none"><li>• Uses layout to determine where to make entries</li><li>• Makes inferences to decide what, where, and how to enter information if fields are not clear</li><li>• Follows directions to complete a more complex document</li><li>• Makes multiple entries on more complex forms, tables, timelines and flow charts</li></ul> <b>Creates Documents</b> <ul style="list-style-type: none"><li>• Follows conventions to display information in more complex documents (e.g., use of abbreviations, symbols)</li><li>• Identifies parts of documents using titles, row and column headings, sub-headings, and labels</li><li>• Creates documents using titles, row and column headings, sub-headings, or sub parts</li></ul>	



**Attitudes:**

Practitioner,

We encourage you to talk with the learner about attitudes required to complete this task set. The context of the task has to be considered when identifying attitudes. With your learner, please check one of the following:

- Attitude is not important       Attitude is somewhat important       Attitude is very important



**Task Title:** Create a Scale Drawing for Landscaping

**Learner Information and Tasks:**

Scale drawings are used on the job in many different occupations. Some of those occupations include, landscaping, designing interiors of homes, laying pipe for construction and various building construction. Create a scale drawing of a front yard using the grid sheet on the next page. The grid scale of front yard - 1" to 8' and the yard is 40' deep and 32' wide.

**Task 1:** Draw 1 tree in each of the following locations

- corner of the northwest side of the property
- center of the property
- Corner of the northeast side of the property

**Task 2:** Draw 1 garden in each of the following locations

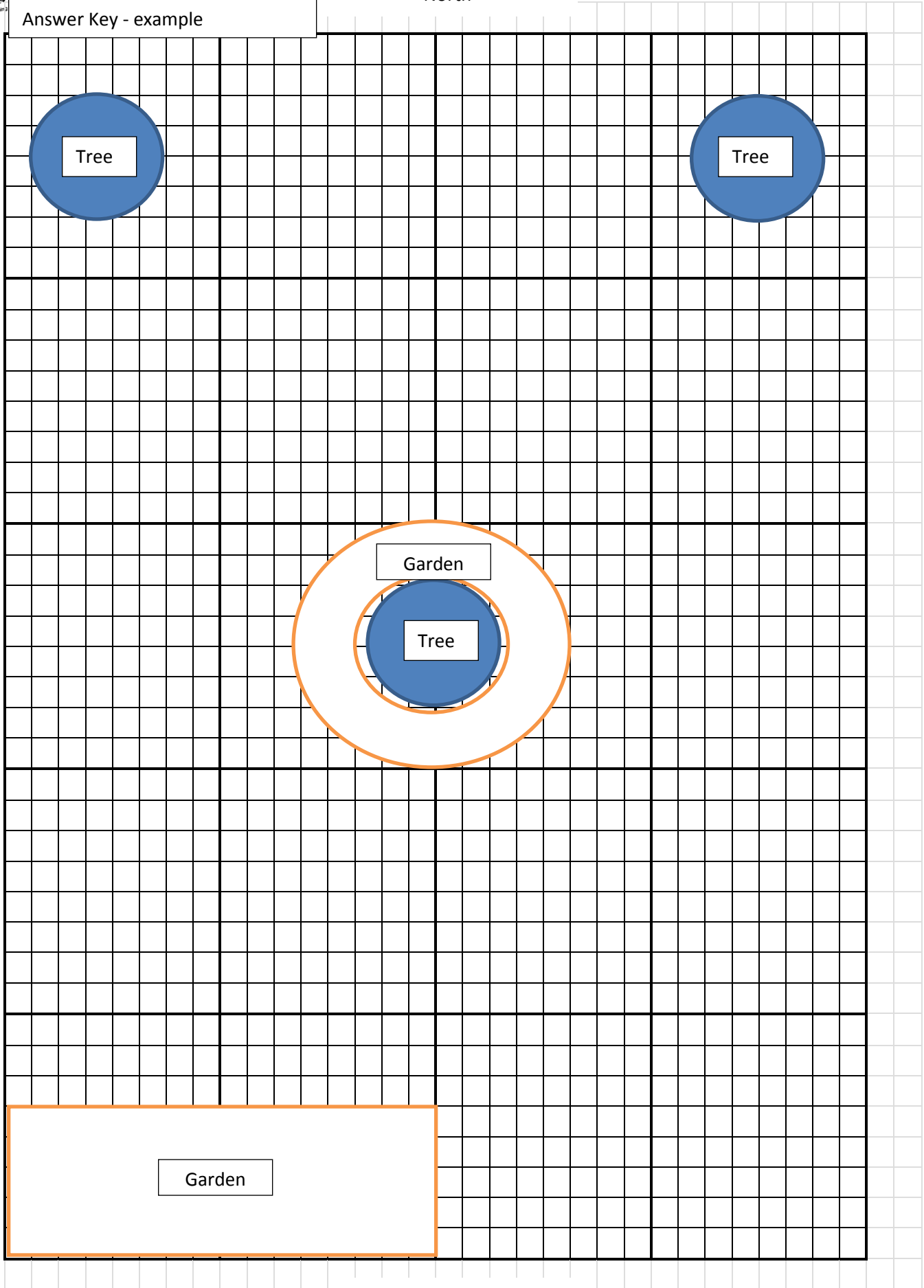
- around the centre tree - 2 feet wide
- along one-half the width of the southwest side of the property - 5 feet wide

**Task 3:** Label all objects on the scale drawing



North

Answer Key - example



South



Task Title: Create a Scale Drawing for Landscaping

Performance Descriptors		Needs Work	Completes task with support from practitioner	Completes task independently
<b>B3.3b</b>	<ul style="list-style-type: none"> <li>follows conventions to display information in more complex documents (e.g. use of abbreviations, symbols)</li> </ul>			
	<ul style="list-style-type: none"> <li>sorts entries into categories and subcategories</li> </ul>			
	<ul style="list-style-type: none"> <li>displays many categories of information</li> </ul>			
	<ul style="list-style-type: none"> <li>organizes information in a variety of ways</li> </ul>			
	<ul style="list-style-type: none"> <li>identifies parts of documents using titles, row and column headings, sub-headings and labels</li> </ul>			
<b>C3.2</b>	<ul style="list-style-type: none"> <li>makes estimates</li> </ul>			
	<ul style="list-style-type: none"> <li>understands and uses ratio and proportion</li> </ul>			
	<ul style="list-style-type: none"> <li>chooses and performs required operation(s); may make inferences to identify required operation(s)</li> </ul>			

**This task:** was successfully completed\_\_\_ needs to be tried again\_\_\_

<b>Learner Comments</b>

\_\_\_\_\_  
Instructor (print)

\_\_\_\_\_  
Learner Signature



### Skill Building Activities:

Links for online resources:

#### Scale Drawings (Khan Academy):

<https://www.khanacademy.org/math/basic-geo/basic-geo-area-perimeter/basic-geo-scale-drawings/v/scale-drawings-example>

By clicking on this link, the learner is brought to a series of tutorials and practice activities dealing with scale drawings. After watching the tutorials, be sure to click on “Interpreting scale drawings” from the menu on the left hand side; learners are asked a series of questions and can choose hints if stuck on the problem.

#### How to Draw Interior Design Plans (YouTube):

<https://www.youtube.com/watch?v=vKKPdrBRm4>

In this 3 minute video, learners are exposed to drawing room designs using graph paper, a triangle, and a pen. Scale is taken into consideration when drawing a 17 foot by 13 foot room; one square on the graph paper is equivalent to 6 inches (2 squares = 1 foot). In this tutorial, movable furniture is made on separate graph paper using the same scale.

#### How to Draw a Room to Scale (eHow):

[http://www.ehow.com/how\\_2287325\\_draw-room-scale.html](http://www.ehow.com/how_2287325_draw-room-scale.html)

A step-by-step guide on how to draw a room to scale using graph paper, a pencil, and a ruler. “Drawing a room to scale is very important skill to have when you are decorating your home. Drawing your rooms to scale help you decide furniture placement. It helps you determine the amount and cost of materials you will need. It helps you to easily share your plans with others.”

#### Measurement in Your Home (NWT Literacy Council):

[http://www.nwtliteracy.ca/resources/adultlit/everyday\\_math/home\\_math\\_wrkbk.pdf](http://www.nwtliteracy.ca/resources/adultlit/everyday_math/home_math_wrkbk.pdf)

By scrolling down to page 6 in the Home Math Workbook, learners have access to 2 home decorating activities. In each of the home decorating activities, the learner must calculate the area/perimeter of the space to figure out the amount of materials need and the cost of materials.

#### Definition of Scale Drawing (Math is Fun):

<http://www.mathsisfun.com/definitions/scale-drawing.html>

By clicking on this link, learners have access to the definition of a scale drawing: “A drawing that shows a real object with **accurate sizes reduced or enlarged** by a certain amount (called the scale).” Learners can click on the butterfly drawing and drag the dots to change the scale of the picture. By clicking on “Ratios” in the top right hand corner, the learner is introduced to using ratios to compare value.



**LearningHUB Courses Available:**

- **Independent Study, PLATO PLE (assigned by practitioner after assessment)**
  - 401 Measurement Assignment
  - 403 Geometry – Plane Figures (Assignment 1)
  - 501 Algebra 1 (Assignment 3)
  - 502 Algebra 2 (Assignment 4): Scaling and Proportion, Part 1 & 2
  - Document Use Level 2 (Assignment 2): Unit 2 – Scaling and Proportion 2
  
- **Live Classes (SABA) – Geometry B: Part 1**

**\*To access LearningHUB courses,** learners must register for the LearningHUB e-Channel program by completing the registration form on their website and completing the course selection (page 2 of the registration form): [https://www.learninghub.ca/get\\_registered.aspx](https://www.learninghub.ca/get_registered.aspx)

**\*To Access LearningHUB Course Catalogue:**

<http://www.learninghub.ca/Files/PDF-files/HUBcoursecatalogue,%20December%2023,%202014%20revision.pdf>