



**Task-based Activity Cover Sheet**

**Task Title:** Draw a floor plan to figure out where to place furniture or equipment

<b>Learner Name:</b>	
<b>Date Started:</b>	<b>Date Completed:</b>
<b>Successful Completion:</b> Yes___ No___	
<b>Goal Path:</b> Employment <input checked="" type="checkbox"/> Apprenticeship___ Secondary School___ Post Secondary ___Independence ___	
<b>Task Description:</b> Draw a floor plan to figure out where to place office furniture	
<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> B3.2b: Create simple documents to sort, display and organize information C3.2: Use measures to make one-step calculations	
<b>Performance Descriptors:</b> see chart <a href="#">or click here</a>	
<b>Skill Building Activities:</b> see last page <a href="#">or click here</a>	
<b>Materials Required:</b> <ul style="list-style-type: none"><li>• graph paper (12 x 12 blocks)</li><li>• pencil and eraser</li><li>• adhesive tape</li></ul>	
<b>ESKARGO:</b> B3.2 Complete and create documents Completes Documents <ul style="list-style-type: none"><li>• Uses layout to determine where to make entries</li><li>• Follows instructions on documents</li></ul> Creates Documents <ul style="list-style-type: none"><li>• Creates simple forms, tables, hand-drawn maps and floor plans</li></ul> <b>Attitudes:</b> 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: <input type="checkbox"/> Attitude is not important <input type="checkbox"/> Attitude is somewhat important <input type="checkbox"/> Attitude is very important	



**Task Title:** Draw a floor plan to figure out where to place furniture or equipment

**Learner Information and Tasks:**

When moving offices, staff need to plan the layout for each new office space to see if the furniture will fit and to direct movers to place the furniture.

The new office measures 12' L x 12' W.

The furniture to be used includes the following items:

1 Executive desk (72" L x 36" W)

1 Computer desks (48" L x 36" W)

2 File cabinets (24" D x 18" W)

**Task 1:** Using the measurements of the office furniture, create a floor plan for the new office on the graph paper provided.



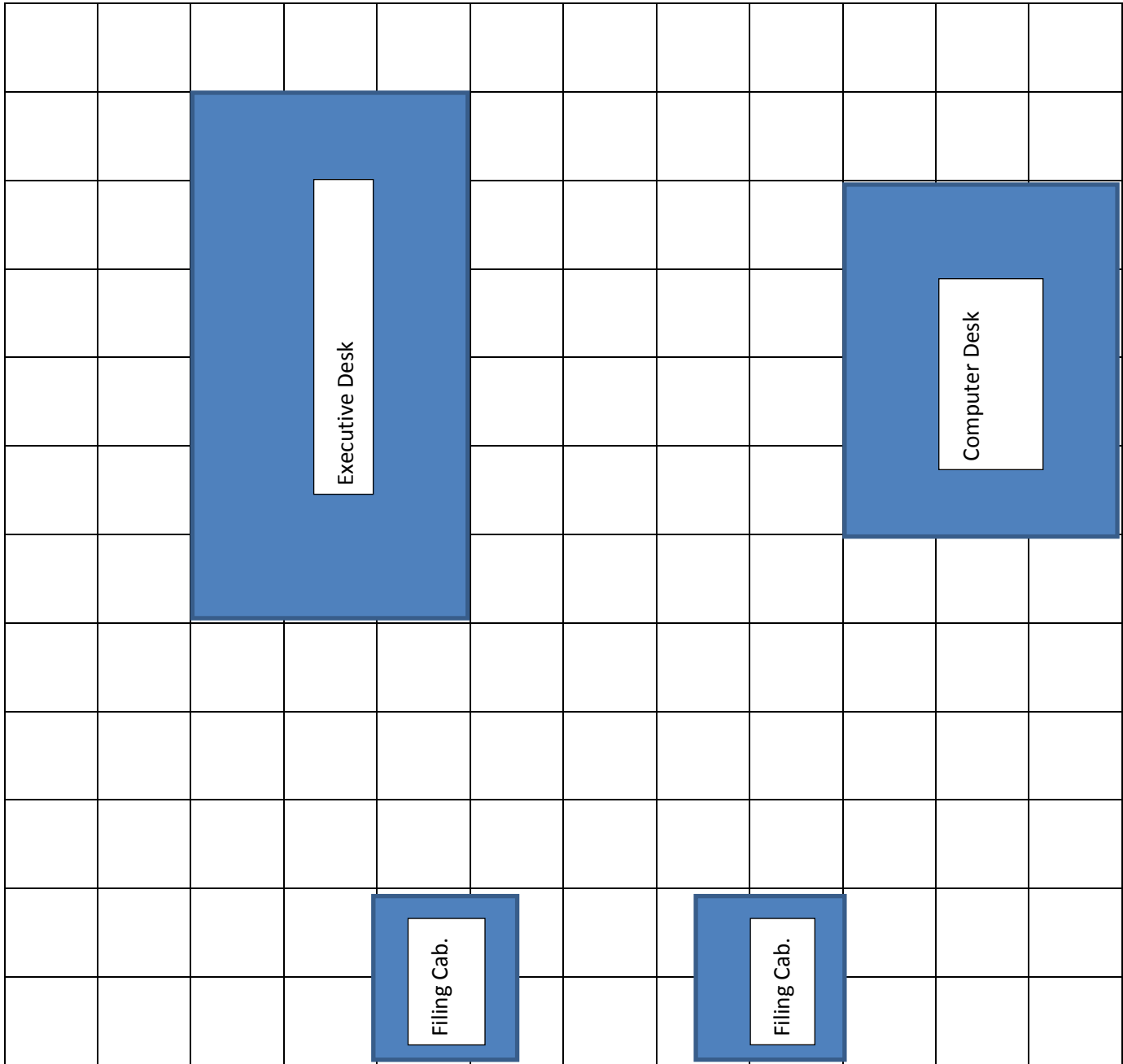
## Prepared for: Cementing Integration Project – QUILL Learning Network 2015

**Task Title:** Draw a floor plan to figure out where to place furniture or equipment

### **Answer Key**

**Task 1:** Verify that the scale or ratio remains constant for the models of furniture. Did the learner convert the furniture into feet to match the room dimensions?

**View the example of the completed office drawing**





Task Title: **Draw a floor plan to figure out where to place furniture or equipment**

Performance Descriptors		Needs Work	Completes task with support from practitioner	Completes task independently
B3.2	<ul style="list-style-type: none"> <li>uses layout to determine where to make entries</li> </ul>			
	<ul style="list-style-type: none"> <li>begins to make some inferences to decide what information is needed, where and how to enter the information</li> </ul>			
	<ul style="list-style-type: none"> <li>makes entries using a limited range of vocabulary</li> </ul>			
	<ul style="list-style-type: none"> <li>follows instructions on documents</li> </ul>			
C3.2	<ul style="list-style-type: none"> <li>understands and uses ratio and proportion</li> </ul>			
	<ul style="list-style-type: none"> <li>converts units of measurement within the same system and between systems</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=vKKPadrBRm4>

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.

### Measurement in Your Home (MWT 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.

### 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.”



**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%202023,%202014%20revision.pdf>