

Adult Basic Education (ABE)

Level III Mathematics

Mathematics 1102A

Consumerism and Travel/Measuring Length/Measuring Area

Study Guide

Resource: *Math at Work 10. McGraw-Hill Ryerson. 2011. ISBN 13:978-007109106-0.*

Level III General College Profile Mathematics (General)

Mathematics 1102A: Consumerism and Travel/Measuring Length/Measuring Area

Mathematics 1102B: Getting Paid/Angles

Mathematics 1102C: Pythagorean Relationship/Trigonometry

Mathematics 2102A: Surface Area/Drawing and Design/Volume and Capacity

Mathematics 2102B: Interpreting Graphs/Banking and Budgeting

Mathematics 2102C: Slope/Right Triangles and Trigonometry

Mathematics 3102A: Measurement and Probability/Data/Linear Relationships

Mathematics 3102B: Real-Life Decisions/Properties of Figures

Mathematics 3102C: Transformations/Trigonometry



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General Information

Introduction

Mathematics 1102A when completed with **Mathematics 1102B and C** is equivalent to the Newfoundland and Labrador senior high school **Mathematics 1202 (Applied)** course.

Resources

The student resource for this course is: *Math at Work 10. McGraw-Hill Ryerson. 2011. ISBN 13:978-007109106-0*. Your instructor may also supplement with other resources at his/her discretion.

Study Guide

This Study Guide is intended to make it possible for you to work independently in ABE. You may be able to work on your own for certain periods of time. All students doing this course in Newfoundland and Labrador use this Study Guide. Please ensure your instructor is aware of your progress in this Study Guide. Ask your instructor for assistance whenever you feel you need help.

The Study Guide is organized in two columns:

Required Work	Notes
This column provides a list of all the work required to be completed for the course. Your instructor may supplement with additional items or make small changes to the required work as deemed appropriate.	This column provides additional information that will help you complete the required work.

Recommended Evaluation

Written Notes (Including all the Required Work)	10%
Assignments	30%
Tests/Quizzes	60%
Total	100%

Instructors have the discretion to make minor changes to this evaluation scheme.

Unit 1: Consumerism and Travel

Required Work	Required Notes
1. Complete Get Ready, pages 4-5.	
2. Read pages 6-9, and then complete 1-8, pages 10-11.	Define unit price.
3. Read pages 12-13, and then complete 1-9, pages 14-15.	
4. Complete 1-7, pages 16-17.	Define exchange rate and proportion.
5. Complete 1-5, pages 18-19.	
6. Read pages 20-21, and then complete 1-10, pages 22-23.	
7. Read pages 24-25, and then complete 1-8, pages 26-27.	
8. Complete 1-3, pages 27-28.	
9. Read pages 32-33, and then complete 1-8, pages 34-35.	Define SI, Imperial System, Celsius and Fahrenheit.
10. Read pages 36-37, and then complete 1-8, page 38.	
11. Read pages 39-40, and then complete 1-7, page 41.	

Unit 1: Consumerism and Travel

Required Work	Required Notes
<p>12. Read pages 42-43, and then complete 1-8, pages 44-45.</p> <p>13. Complete 1-6, pages 46-47.</p> <p>14. Complete Skill Check, pages 48-49.</p> <p>15. Assignment #1: Complete Test Yourself, pages 50-51.</p> <p>16. Test #1: Your instructor will give you Test #1.</p>	<p>This assignment will be graded and is part of the course evaluation.</p>

Unit 2: Measuring Length

Required Work	Required Notes
<ol style="list-style-type: none">1. Complete Get Ready, pages 56-57.2. Read page 58-61, and then complete 1-10, pages 62-63.3. Read pages 64-65, and then complete 1-11, pages 66-67.4. Complete 1-5, pages 68-69.5. Read pages 70-73, and then complete 1-9, pages 74-75.6. Read pages 76-77, and then complete 1-10, pages 78-79.7. Complete 1-8, pages 80-81.8. Read pages 84-85, and then complete 1-11, pages 86-87.9. Read pages 88-89, and then complete 1-8, pages 90-91.10. Complete 1-5, pages 92-93.11. Read pages 94-97, and then complete 1-10, pages 98-99.	<p>Define inch, foot, yard, perimeter and dimensions.</p> <p>Create a unit conversion chart to help you.</p>

Unit 2: Measuring Length

Required Work	Required Notes
<p>12. Read pages 100-101, and then complete 1-9, pages 102-103.</p> <p>13. Complete 1-6, pages 104-105.</p> <p>14. Complete Skill Check, pages 106-107.</p> <p>15. Assignment #2: Complete Test Yourself, pages 108-109.</p> <p>16. Test #2: Your instructor will give you Test #2.</p>	This assignment will be graded and is part of the course evaluation.

Unit 3: Measuring Area

Required Work	Required Notes
<ol style="list-style-type: none">1. Complete Get Ready, pages 114-115.2. Read pages 118-119, and then complete 1-8, pages 120-121.3. Read pages 122-123, and the complete 1-9, pages 124-125.4. Complete 1-9, pages 126-127.5. Read pages 128-131, and then complete 1-10, pages 132-133.6. Read pages 134-135, and then complete 1-8, pages 136-137.7. Complete 1-8, pages 138-139.8. Read pages 140-143, and then complete 1-6, pages 144-145.9. Read pages 146-147, and then complete 1-5, pages 148-149.10. Complete 1-7, pages 150-151.11. Read pages 152-155, and then complete 1-5, pages 156-157.	<p>Create a unit conversion chart to help you.</p> <p>Define composite shape.</p> <p>Define surface area, rectangular prism and right cylinder.</p>

Unit 3: Measuring Area

Required Work	Required Notes
<p>12. Read pages 158-159, and then complete 1-7, pages 160-161.</p> <p>13. Complete 1-6, pages 162-163.</p> <p>14. Complete Skill Check, pages 164-165.</p> <p>15. Assignment #3: Complete Test Yourself, pages 166-167.</p> <p>16. Test #3: Your instructor will give you Test #3.</p> <p>17. Final Exam: Your instructor will give you the Final Exam on the entire course.</p>	<p>This assignment will be graded and is part of the course evaluation.</p>