

MATH 10 Workplace

Unit 3: Learning Guides 8, 9 and 10

LENGTH, AREA AND VOLUME

Student: _____

T.A.: _____

Teacher: _____

Returned without mark because:

- Incomplete
- Work needs to be shown
- Unclear presentation
- Understanding not demonstrated

* See the classroom teacher

MARK:

Continue to
next guide

COMPLETING THIS GUIDE:

Your job is to use the resources in your textbook and this package to complete the activities identified.

LEARNING OUTCOMES:



- 1) Convert measurements from SI to imperial units and from imperial to SI units.
- 2) Calculate the surface area and volume of objects.

COMPLETING THIS GUIDE:

ACTIVITIES:



- Vocabulary & Formula definitions**
- Textbook Questions**
(Complete on SEPARATE PAPER.)
- Review & Challenge Questions**
(Complete on SEPARATE PAPER.)
- Assessment Quizzes**






ATTACH THESE TO THIS PACKAGE WHEN YOU HAND IT IN.

Vocabulary & Formula definitions Unit 3: Length, Area and Volume


| | |
|-------------------|--|
| Volume | |
| Conversion Factor | |
| Surface Area | |
| Scale Factor | |
| Capacity | |

Workbook Questions

-  **Expectation #1:** Convert measurements from SI to imperial units and from imperial to SI units.

| | | |
|--------------------------|---|---|
| <input type="checkbox"/> |  | Watch and take notes on instructional video on Imperial System. |
| <input type="checkbox"/> |  | Watch and take notes on instructional video on Metric and Imperial Systems of Measurement. |
| <input type="checkbox"/> | Pages 94-95 | Read Explore the Math |
| <input type="checkbox"/> | Pages 97-101 | Work through Example 1, Example 2 and Example 3 |
| <input type="checkbox"/> | Pages 102-103 | Complete Build Your Skills #1, #2, #3, #4, #8 |
| <input type="checkbox"/> | Pages 108-109 | Work through Example 1 and Example 2 |
| <input type="checkbox"/> | Pages 111-112 | Complete Build Your Skills #1, #2, #3, #4, #5, #6 |
| <input type="checkbox"/> | | Complete the expectation assessment quiz on Chapter 3.1 & 3.2 |

-  **Expectation #2:** Calculate the surface area and volume of objects.

| | | |
|--------------------------|---|---|
| <input type="checkbox"/> |  | Watch and take notes on instructional video on Surface Area and Volume. |
| <input type="checkbox"/> | Page 115 | Read Explore the Math. |
| <input type="checkbox"/> | Pages 118-119 | Work through Example 1 and Example 2 |
| <input type="checkbox"/> | Page 121 | Complete Build Your Skills *You will need the formula sheets for most of these questions. #2, #4, #5 |

| | | |
|--------------------------|---------------|--|
| <input type="checkbox"/> | Pages 124-125 | Read Explore the Math. |
| <input type="checkbox"/> | Pages 127-130 | Work through Example 1 and Example 2 and Example 3 |
| <input type="checkbox"/> | Page 132 | Complete Build Your Skills *You will need the conversion formula sheets for most of these questions. #1, #2, #3, #4, #5 |
| <input type="checkbox"/> | | Complete the expectation assessment quiz on Chapter 3.3 - 3.4 |

Review & Challenge Questions

(Do **NOT** hand in your Workbook.
....Complete on **SEPARATE PAPER.**)

| | | |
|--------------------------|----------|--|
| <input type="checkbox"/> | Page 134 | Complete Practice Your New Skills #1, #2, #3, #4, #5, #6 |
|--------------------------|----------|--|

Online Practice Tests

Practice Quiz #1
Practice Quiz #2
Practice Quiz #3
Practice Quiz #4
Practice Quiz #5

UNIT TEST

| | | |
|--------------------------|--|---------------------------------|
| <input type="checkbox"/> | | Complete the Unit 3 Test |
|--------------------------|--|---------------------------------|

Done