

Lesson 1.3: The SI System

Complete the *Practice* below. When you have completed all the questions for *Lesson 3.1 Practice – III* with your best work, mark your work by first comparing your answers to the solutions provided in the *Appendix*. Then, apply the rubric found at the beginning of the *Workbook*.



Practice – III

1. Explain the advantages of having a common system of measurement throughout the world.

2. All of the unit conversion strategies shown in this *Lesson* used conversion ratios. Describe how you can tell if you have chosen an appropriate format of a conversion ratio for a conversion.

3. Complete each of the following unit conversions using different strategies.

- a. How many centigrams are equal to 9.95 milligrams?

b. $921 \text{ dam} = \underline{\hspace{2cm}} \text{ dm}$

c. Convert 66.5 kilowatts to hectowatts. (The symbol for watt is “W”.)

4. A pharmaceutical company has designed a pill that contains 25 mg of a drug. If the company produces 367 kg of the drug, how many pills can the company make?

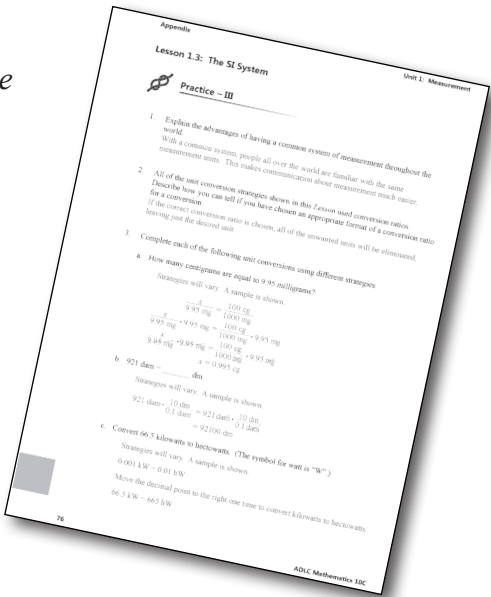
Mark your work for *Lesson 1.3 Practice – III* using the solutions provided in the *Appendix*. Then, apply the rubric found at the beginning of the *Workbook*.

Transfer your self-assessed mark to the front cover of the *Workbook*.

My self-assessed mark on *Lesson 1.3 Practice – III* is _____.

Reflect on your understanding of the concepts addressed in the *Practice* exercises in the table provided.

Question Number	Got it!	Almost there...	Need to retry or ask for help.
1			
2			
3			
4			



You may proceed to *Explore Your Understanding Assignment* on the next page of this *Workbook*.

Note: Before you complete *Explore Your Understanding* you may review your skills and get more practice by completing the following problems in *Mathematics 10*.

- Page 17, #5, 6, 10

Check your work in *Enhance Your Understanding*.

