

2

Chapter 2 Practice Test

Mathematics 10, pages 95–97

Suggested Timing

40–50 min

Blackline Masters

BLM 2–10 Chapter 2 Test

Planning Notes

Have students start the practice test by writing the question numbers in their notebook. Have them indicate which questions they need a little help with, a lot of help with, or no help with. Have students first complete the questions they know they can do, followed by those they know something about. Finally, have students do their best on the questions that they are struggling with.

This practice test can be assigned as an in-class or take-home assignment. Provide students with the number of questions they can comfortably do in one class. These are the minimum questions that will meet the related curriculum outcomes: #1–7, and 9–12.

Make grid paper available to students.

For #8, point out that the dimensions of the kennels are accurate. These kennels are designed so that dogs cannot turn around easily during transport.

Study Guide

Question(s)	Section(s)	Refer to	The student can ...
#1	2.1	Example 1	✓ solve problems that involve area and volume units within SI and imperial systems
#2, 10	2.2	Key Ideas	✓ solve problems involving the surface area of three-dimensional objects
#3, 8	2.3	Link the Ideas Example 1 Key Ideas	✓ solve problems involving the volume of three-dimensional objects
#4, 7, 13	2.2	Example 3 Key Ideas	✓ solve problems involving the surface area of three-dimensional objects
#5	2.2	Example 2 Key Ideas	✓ solve problems involving the surface area of three-dimensional objects
#6, 12	2.3	Example 3	✓ find an unknown dimension of a three-dimensional object given its volume
#7, 13	2.3	Example 4 Key Ideas	✓ solve problems involving the volume of three-dimensional objects
#9, 11	2.3	Link the Ideas	✓ solve problems involving the volume of three-dimensional objects
#14, 16	2.3	Link the Ideas Example 1 Key Ideas	✓ solve problems involving the volume of three-dimensional objects
#15a)	2.3	Example 3	✓ find an unknown dimension of a three-dimensional object given its volume
#15b)	2.2	Example 4	✓ find an unknown dimension of a three-dimensional object given its surface area

Meeting Student Needs

Enrichment

- For #11, ask students how much of the container is occupied by tennis balls.

Assessment	Supporting Learning
Assessment as Learning	
Chapter 2 Self-Assessment Have students review their earlier responses in the What I Need to Work On section of their Foldable.	<ul style="list-style-type: none">• Make grid paper available to students.• Have students use their responses on the practice test and work they completed earlier in the chapter to identify areas in which they may need to reinforce their understanding of skills or concepts. Before the chapter test, coach them in the areas in which they are having difficulties.
Assessment of Learning	
Chapter 2 Test After students complete the practice test, you may wish to use BLM 2–10 Chapter 2 Test as a summative assessment.	<ul style="list-style-type: none">• Consider allowing students to use their Foldable.

