

Chapter 8 Practice Test

8

Mathematics 10, pages 463–465

Suggested Timing

60–90 min

Materials

- grid paper
- ruler

Blackline Masters

BLM 8–8 Chapter 8 Test

Planning Notes

Students should complete the practice test individually. Have them write the question numbers in their notebook and indicate which questions they need no help with, a little help with, and a lot of help with. Have students first complete the questions they know they can do, followed by the questions they know something about. Finally, suggest to students that they do their best on the remaining questions. Tell them that this test is for practice and that identifying which questions are most challenging will show them what concepts they need to revisit.

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: #1–9.

Study Guide

Question(s)	Section(s)	Refer to	The student can ...
#1	8.1	Example 2	✓ solve systems of linear equations by creating graphs, with and without technology
#2	8.3	Link the Ideas	✓ explain why systems of linear equations can have different numbers of solutions
#3	8.1	Link the Ideas	✓ explain the meaning of the point of intersection of two linear equations
#4	8.3	Example 2	✓ identify how many solutions a system of linear equations has
#5	8.2	Examples 1, 2, 3	✓ translate word problems into systems of linear equations
#6	8.1	Examples 2, 3	✓ verify solutions to systems of linear equations using substitution
#7	8.1	Key Ideas	✓ solve systems of linear equations by creating graphs, with and without technology
#8, 13	8.1	Examples 1, 2	✓ solve systems of linear equations by creating graphs, with and without technology ✓ verify solutions to systems of linear equations using substitution
#9	8.3	Example 3	✓ identify how many solutions a system of linear equations has
#10	8.3	Link the Ideas	✓ identify how many solutions a system of linear equations has
#11	8.2	Example 2	✓ interpret information from the graph of a linear system ✓ solve problems involving systems of linear equations
#12	8.2	Key Ideas	✓ interpret information from the graph of a linear system
#14	8.3	Example 1	✓ solve problems involving linear systems with different numbers of solutions

Assessment	Supporting Learning
Assessment as Learning	
<p>Chapter 8 Self-Assessment Have students review their earlier responses in the What I Need to Work On section of their Foldable.</p>	<ul style="list-style-type: none"> • Have students use their responses on the practice test and work they have 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 students in the areas in which they are having difficulties.
Assessment of Learning	
<p>Chapter 8 Test After students complete the practice test, you may wish to use BLM 8–8 Chapter 8 Test as a summative assessment.</p>	<ul style="list-style-type: none"> • Consider allowing students to use their chapter Foldable.