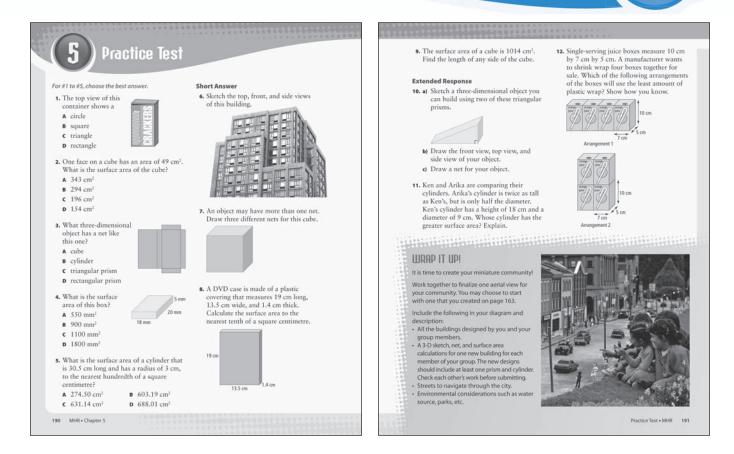
Practice Test (5



MathLinks 8, pages 190–191

Suggested Timing

40–50 minutes

Materials

- grid paper
- ruler
- 3-D objects

Blackline Masters

Master 8 Centimetre Grid Paper BLM 5–16 Chapter 5 Test

Planning Notes

Allow time for students to clarify any misunderstandings before beginning the practice test. Have students first complete the questions they know they can do. Then, have them complete the questions they know something about. Finally, have them do their best on the questions that they are still struggling with.

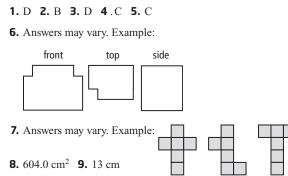
This practice test can be assigned as an in-class or take-home assignment. Provide students with the number of questions they can comfortably do in one class. These are the minimum questions that will meet the related curriculum outcomes: #3–#7, and #9.

Study Guide

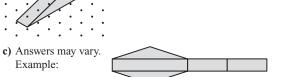
Question(s)	Section(s)	Refer to	The student can
1, 6	5.1	Explore the Math, Example 1	\checkmark draw and label top, front, and side views of 3-D objects
2, 4	5.3	Example 1	✓ link area to surface area
3, 7	5.2	Example 1	✓ determine the correct nets for 3-D objects
5	5.4	Examples 1, 2	\checkmark find the surface area of a cylinder
8, 9, 12	5.3	Explore the Math, Example 1	\checkmark link area to surface area
10	5.1 5.2	Explore the Math, Example 1 Example 1	 ✓ draw and label top, front, and side views of 3-D objects ✓ determine the correct nets for 3-D objects ✓ draw nets for 3-D objects
11	5.4	Explore the Math, Examples 1, 2	✓ find the surface area of a cylinder

Answers

Chapter 5 Practice Test



10. a) Answers may vary. Example: **b)** Answers may vary. Example: **front**



side

top

11. Ken's cylinder with a surface area 635.85 cm^2 has a greater surface area than Arika's cylinder with a surface area 540.47 cm^2 .

12. Arrangement 2 will use the least amount of plastic wrap as its surface area is 900 cm² while the surface area of Arrangement 1 is 940 cm².

Assessment	Supporting Learning			
Assessment <i>as</i> Learning				
Chapter 5 Self-Assessment Have students review their earlier responses in the What I Need to Work On sections of their chapter Foldable.	 Allow concrete and kinesthetic learners to use 3-D objects as needed. 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 5 Test After students complete the practice test, you may wish to use BLM 5–16 Chapter 5 Test as a summative assessment.	 Consider allowing students to use their chapter Foldable. Allow concrete and kinesthetic learners to use 3-D objects as needed. Consider using the Math Games on page 192 or the Challenge in Real Life on page 193 to assess the knowledge and skills of students who have difficulty with tests. 			