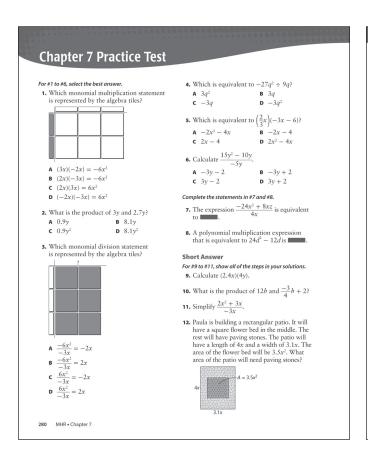
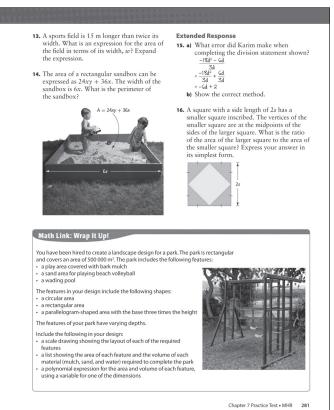
# Practice Test (7





### MathLinks 9, pages 280-281

## **Suggested Timing**

40-50 minutes

#### **Materials**

• algebra tiles

#### **Blackline Masters**

Master 11 Algebra Tiles (Positive Tiles)
Master 12 Algebra Tiles (Negative Tiles)

BLM 7-11 Chapter 7 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. Then, have them complete the questions they know something about. Finally, have students 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: #1–6, 9–12.

## **Study Guide**

| Question(s)                              | Section(s) | Refer to | The student can                                                               |
|------------------------------------------|------------|----------|-------------------------------------------------------------------------------|
| #1, 2, 9,<br>12, 16                      |            |          | ✓ model multiplication of a monomial by a monomial using models and symbols   |
| #3, 4, 16                                |            |          | ✓ model division of a monomial by a monomial using models and symbols         |
| #5, 8, 10, 13                            |            |          | ✓ model multiplication of a polynomial by a monomial using models and symbols |
| #6, 7, 11,<br>14, 15                     |            |          | ✓ model division of a polynomial by a monomial using models and symbols       |
| #2, 4, 6, 7,<br>9, 11, 12, 14,<br>15, 16 |            |          | ✓ simplify polynomial expressions                                             |
| #15                                      |            |          | ✓ identify errors in a simplification of a polynomial expression              |

# **Answers**

## **Chapter 7 Practice Test**

**1.** B **2.** D **3.** C **4.** C **5.** A **6.** B **7.** -6x + 2z

**8.** Example: (12d)(2d-1) **9.** 9.6xy **10.**  $-9h^2 + 24h$ 

**11.** 
$$-\frac{2}{3}x - 1$$
 **12.**  $8.9x^2$  **13.**  $2w^2 + 15w$  **14.**  $12x + 8y + 12$ 

**15.** a) The addition sign should be a subtraction sign.

**b)** 
$$\frac{-18d^2 - 6d}{3d} = \frac{-18d^2}{3d} - \frac{6d}{3d}$$
$$= -6d - 2$$

**16.**  $4s^2$ :  $2s^2 = 2$ : 1

| Assessment                                                                                                                       | Supporting Learning                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |  |
|----------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|
| Assessment as Learning                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |  |
| Chapter 7 Self-Assessment Have students review their earlier responses in the What I Need to Work On section of their Foldable.  | • 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 7 Test After students complete the practice test, you may wish to use BLM 7–11 Chapter 7 Test as a summative assessment. | <ul> <li>Consider allowing students to use their Foldable and spider map.</li> <li>Allow students to use manipulatives (e.g., algebra tiles) and diagrams to assist them as they complete the test. If algebra tiles are not available, provide students with Master 11 Algebra Tiles (Positive Tiles) and Master 12 Algebra Tiles (Negative Tiles).</li> <li>Since the Wrap It Up! and Challenges provide additional reinforcement of chapter content, you may wish to have students complete these activities before doing the Chapter 7 Practice Test and BLM 7-11 Chapter 7 Test.</li> <li>Consider using the Challenges to assess the knowledge and skills of students who have difficulty with tests.</li> </ul> |  |  |