Chapter Review



MathLinks 9, pages 278-279

Suggested Timing

40–50 minutes

Materials

• algebra tiles

Blackline Masters

Master 11 Algebra Tiles (Positive Tiles) Master 12 Algebra Tiles (Negative Tiles) BLM7–5 Section 7.1 Extra Practice BLM7–7 Section 7.2 Extra Practice BLM7–9 Section 7.3 Extra Practice



Planning Notes

Encourage students to work individually or in pairs. If they encounter difficulties, remind them to refer to their Foldable for the chapter, their worked exercises for the section, or the modelled examples in the appropriate section of the student resource.

When they are done, have students make a list of questions they found difficult. Collect the lists and first discuss those questions that are common to a significant number of students. Encourage students who successfully answered those questions to describe their solutions and solution methods.

Meeting Student Needs

- Encourage students to use their chapter Foldable and to add new notes if they wish.
- Students who require more practice on a particular topic may refer to BLM7–5 Section 7.1 Extra Practice, BLM7–7 Section 7.2 Extra Practice, and BLM7–9 Section 7.3 Extra Practice.

ELL

For #9, ensure that students understand what is meant by *four times as long as it is wide*.

Gifted and Enrichment

• Some students may already be familiar with the skills handled in this review. To provide enrichment and extra challenge for gifted students, go to www.mathlinks9.ca and follow the links.

Common Errors

- Students may combine unlike terms when simplifying expressions.
- $\mathbf{R}_{\mathbf{x}}$ Encourage students first to arrange their solutions, which are not yet simplified, in descending order of variables and exponents. Then, they can combine variables with the same exponent.

Assessment	Supporting Learning
Assessment for Learning	
Chapter 7 Review The Chapter 7 Review is an opportunity for students to assess themselves by completing selected questions in each section and checking their answers against the answers in the back of the student resource.	 Allow students to complete the chapter review using any combination of manipulatives (e.g., algebra tiles), diagrams, or symbols to model and solve equations. If you do not have algebra tiles available in your classroom, provide students with Master 11 Algebra Tiles (Positive Tiles) and Master 12 Algebra Tiles (Negative Tiles). Have students review their notes from their Foldable, Math Learning Log, and spider map, identify items that they found challenging, and do the questions related to those items. Have students check the What I Need to Work On section of their Foldable and do at least one question related to each listed item. Have students revisit any section that they are having difficulty with prior to working on the chapter test.