Planning Notes

Get Ready

- Review the following vocabulary and post examples that illustrate each term: *polynomial*, *monomial*, *binomial*, *trinomial*, *degree of a term*, *degree of a polynomial*, *like terms*, and *unlike terms*.
- Review examples of adding and subtracting polynomials using algebra tiles and symbolic representation. Encourage students to work in pairs.
- Review the concept of opposites (e.g., –5 and +5).
- Use algebra tiles to review how to add zero pairs, demonstrating how this does not change the value of the polynomial.
- Provide students with **BLM 7–1 Chapter 7 Problems of the Week** at the beginning of the chapter. Discuss solutions with the class as you progress through the chapter. Alternatively, you can use this blackline master as a review exercise at the end of the chapter. Have students try at least one question. Many of these problems require students to think creatively and try a variety of approaches. Students can take these problems home or work in class with other students when time permits.

Math Link

- Review formulas and examples of finding the area of a circle, square, rectangle, and trapezoid.
- Discuss how to find the area of a shaded region of a shape. Use an example similar to #2 in Section 1.3 Warm Up (page 25).

Foldable

- The shutter door design provides the framework for a layered Foldable that fits inside the doors. The front shutters review previously learned terminology related to polynomials. If necessary, review examples of each term to ensure that students have a clear understanding before moving to Section 7.1. Ensure that students include their own examples when they write the definitions in their own words.
- Section 7.1 introduces multiplication and division of a monomial by a monomial. The two-tab booklets provide room for students to multiply and divide using models and symbols. Encourage them to use colour when modelling. It is important that students have a good understanding of how to multiply and divide monomials before moving on to polynomials.
- Use the layered book in the centre of the Foldable to complete Sections 7.2 and 7.3. Grid paper helps students draw models that show multiplication or division of a polynomial by a monomial. Model an example with students before having them complete their own example. Complete the symbolic representation beside each model so students can see the parallel process.