

Planning Notes

Get Ready

- Use **Master 20 Place Value Charts** to review place values. Remind students that when they are estimating, they need to round to whole numbers.
- Review the meaning of *numerator* (top) and *denominator* (bottom). You may wish to use the fraction button on a calculator to support students' understanding of fraction operations in general.
- For the Understanding Fractions box, consider using **Master 4 Number Lines** to show how to compare the fractions on a number line.
- Review how to convert fractions to decimals by dividing.
- For the Multiplying and Dividing Fractions box, do both examples with a diagram and a number line.
- For #4, students may wish to draw diagrams to solve.
- Provide students with **BLM 2–1 Chapter 2 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

- Begin this Math Link by showing students how to play Xs and Os. Some students may not be familiar with this game. Since the game develops spatial sense, have students play several times.
- Encourage students to experiment with creating a three-player version to help them develop game sense. This skill will be helpful for the Math Links in the following sections of this chapter.

Foldable

- The front left shutter of the Foldable reviews materials learned previously. Have students use the front right shutter to record concepts they are struggling with.
- Encourage students to use their own language to define terms.
- As students complete each section, review the previous section orally.
- Section 2.1 provides students with an opportunity to review rational numbers. They will order and compare rational numbers in various forms, as well as review the meanings of the inequality signs and how to use them to express values.
- Section 2.2 reviews how to add and subtract positive and negative integers. The sign rules are shown as a reminder.
- Section 2.3 allows students to model their understanding. This page could be used as an in-Foldable quiz.
- The back of the Foldable reviews perfect and non-perfect squares. Encourage students to practise making models for quadratic questions.