

Combined Grades *MathLinks 7 & MathLinks 8* Staggered Approach

Due to the curriculum requirements, *MathLinks 7* has more sections than *MathLinks 8*. Fortunately, the *MathLinks* materials include more work than students need to do in order to meet all of the learning outcomes in the curriculum.

The staggered approach tries to make the best of a combined grades class by having students do chapters that are similar at the same time. In this way, students in one grade level can make use of the material the other grade level is doing.

- Some grade 8 students may find it helpful to see what the grade 7s are learning. This could reactivate some forgotten skills.
- At the same time, it may be useful for some grade 7 students to see where what they are learning is going in grade 8.

Because some chapters are longer than others, and because the two curriculums vary, the two classes will also need to work on different content. This can be challenging for teachers because it requires extra planning. We have tried to minimize these times.

Section	<i>MathLinks 7</i>	<i>MathLinks 8</i>
#1 In this first series of chapters, students begin with data. Then, they work on different topics.	Chapter 12 Working with Data (5 sections) Chapter 2 Operations on Decimal Numbers (4 sections) Chapter 3 Geometry and Measurement (5 sections) 14 sections	Chapter 1 Representing Data (3 sections) Chapter 2 Ratios, Rates, and Proportional Reasoning (3 sections) Chapter 3 Pythagorean Relationship (5 sections) Chapter 5 Surface Area (4 sections) 15 sections
#2 Students work with fractions, decimals, and percents.	Chapter 4 Fractions, Decimals, and Percents (3 sections) Chapter 6 Introduction to Fraction Operations (3 sections) Chapter 7 Add and Subtract Fractions (4 sections) 10 sections	Chapter 4 Understanding Percent (4 sections) Chapter 6 Fraction Operations (6 sections) 10 sections
#3 Students begin with probability. Then, they work on geometry.	Chapter 5 Probability (5 sections) Chapter 8 Circles (5 sections) 10 sections	Chapter 11 Probability (3 sections) Chapter 7 Volume (4 sections) 7 sections
#4 Students work on	Chapter 9 Add and Subtract	Chapter 8 Integers (5

integers.	Integers (5 sections)	sections)
#5 Students work on a highly visual chapter.	Chapter 1 Coordinates and Design (4 sections) 4 sections	Chapter 12 Tessellations (4 sections) 4 sections
#6 Students work on algebra.	Chapter 10 Patterns and Expressions (4 sections) Chapter 11 Solving Equations (4 sections) 8 sections	Chapter 9 Linear Relations (3 sections) Chapter 10 Solving Linear Equations (4 sections) 7 sections

Section #1.....	2
Section #2.....	19
Section #3.....	30
Section #4.....	40
Section #5.....	45
Section #6.....	50

Section #1	
In this first series of chapters, students start with data. They then work on different topics.	
MathLinks 7 Chapter 12 Working with Data	MathLinks 8 Chapter 1 Representing Data
Introduction: What are data? Both grades read and discuss their respective chapter opener and make the chapter Foldable.	
Self-Assessment Students complete the Before column of Chapter 12 Self-Assessment. Math Link Students read and discuss the Math Link introduction. 12.1 Discuss the Math Students discuss and complete the questions. They may act out each role. Reflect on Your Findings Students work independently to complete this section.	Literacy Link Students identify what they know and want to know about representing data by completing the first two columns of the KWL chart on page 3. Math Link Students complete the Math Link introduction. They may work in pairs for discussion purposes.
12.1 Examples Use the Examples, Show You Knows, and Key Ideas to teach mode and median. Students record their own Key Words, examples, and Key Ideas in their chapter Foldable. Communicate the Ideas Students complete #1 to 3 to show their understanding.	1.1 Explore the Math Students work in groups to complete the activity. (To save time, you may wish to measure students' heights ahead of time and display the data in the class.) Reflect on Your Findings Students work independently to complete this section.

<i>MathLinks 7</i>	<i>MathLinks 8</i>
<p>12.1 Practise and Apply Students work on assigned questions. Typical #4, 6, 8, 10–12, Math Link See the Teacher’s Guide for the Essential, and Extension/Enrichment assignments.</p>	<p>1.1 Examples Use the Examples, Show You Knows, and Key Ideas to teach advantages and disadvantages of different graphs. Students record their own Key Words, examples, and Key Ideas in their chapter Foldable. Communicate the Ideas Students work individually and complete #1 to 3 to show understanding, and then share their answers with a partner.</p>
<p>12.1 Check questions and clarify errors. Have students correct their work and possibly do follow-up questions if needed. Students complete the During column for section 12.1 of Chapter 12 Self-Assessment.</p>	<p>1.1 Practise and Apply Students work on assigned questions. Typical #4, 7, 10, 12–15, Math Link See the Teacher’s Guide for the Essential, and Extension/Enrichment assignments. Question #15 requires research of various media.</p>
<p>12.2 Explore the Math Students work in pairs to complete the activity. They need centimetre linking cubes. Reflect on Your Findings Students work independently to complete this section.</p>	<p>1.1 Check questions and clarify errors. Have students correct their work and possibly do follow-up questions if needed. Students review the items listed in the What I Need to Work On for section 1.1 of their chapter Foldable, and check off any that have been handled.</p>
<p>12.2 Examples Use the Examples as well as the Show You Know and Key Ideas to teach mean. Encourage students to consider different methods. Students record their own Key Words, examples, and Key Ideas in their chapter Foldable. Communicate the Ideas Students complete #1 and 2.</p>	<p>1.2 Explore the Math Students work in pairs to complete the activity. Reflect on Your Findings Students work independently to complete this section.</p>

<i>MathLinks 7</i>	<i>MathLinks 8</i>
<p>12.2 Practise and Apply Students work on assigned questions. Typical #3, 5, 7, 9–14, Math Link</p>	<p>1.2 Examples Use the Examples, Show You Knows, and Key Ideas to teach misrepresenting data. Encourage students to consider different methods. Students record their own Key Ideas and examples in their chapter Foldable.</p> <p>Communicate the Ideas Students discuss answers in small groups, and then work individually to complete #1 to 3.</p>
<p>12.2 Check questions and clarify errors. Have students correct their work and possibly do follow-up questions if needed. Students complete the During column for section 12.2 of Chapter 12 Self-Assessment.</p>	<p>1.2 Practise and Apply Students work on assigned questions. Typical #4, 6, 9–18, Math Link (Students need access to the Internet and magazines and newspapers to do the Math Link.) (This may take longer than one class period. You may wish to review the questions and Math Link ahead of time and encourage students to plan their time.)</p>
<p>12.3 Discuss the Math Students work independently to complete the chart, and then check their answers with those of a classmate.</p> <p>Reflect on Your Findings Students work independently to complete this section.</p>	<p>1.2 Check questions and clarify errors. Have students correct their work and possibly do follow-up questions if needed. Students review the items listed in the What I Need to Work On for section 1.2 of their chapter Foldable, and check off any that have been handled.</p>
<p>12.3 Examples Use the Examples, Show You Knows, and Key Ideas to teach range and outliers. Students record their own Key Words, examples, and Key Ideas in their chapter Foldable.</p> <p>Communicate the Ideas Students complete #1 and 2. They may share their process and rationale for #2 with a classmate.</p>	<p>1.3 Literacy Link Students may use a KWL chart to identify what they know and want to know about critiquing graphs.</p> <p>Explore the Math Students work in pairs to complete the activity.</p> <p>Reflect on Your Findings Students work independently to complete this section.</p>

<i>MathLinks 7</i>	<i>MathLinks 8</i>
<p>12.3 Practise, Apply, and Extend Students work on assigned questions. Typical #3, 5, 6, 8, 9–12, 16, Math Link (This may take longer than one class period. You may wish to review the questions and Math Link ahead of time and encourage students to plan their time.)</p>	<p>1.3 Examples Use the Example, Show You Know, and the Key Idea to teach critiquing graphs. Students record their own Key Idea and examples in their chapter Foldable. Communicate the Ideas Students complete #1 and 3. They may exchange their response with a classmate, get feedback, and revise their response.</p>
<p>12.3 Check questions and clarify errors. Have students correct their work and possibly do follow-up questions if needed. Students complete the During column for section 12.3 of Chapter 12 Self-Assessment.</p>	<p>1.3 Practise and Apply Students work on assigned questions. Typical #4–6, 7–10, Math Link</p>
<p>12.4 Explore the Math Students work in pairs to complete the activity. Reflect on Your Findings Students work independently to complete this section.</p>	<p>1.3 Check questions and clarify errors. Have students correct their work and possibly do follow-up questions if needed. Students review the items listed in the What I Need to Work On for section 1.3 of their chapter Foldable, and check off any that have been handled. Students revisit the KWL chart and list what they have learned about critiquing graphs.</p>
<p>12.4 Examples Use the Examples, Show You Know, and Key Ideas to teach outliers and the effects of outliers. Students record their own Key Ideas and examples in their chapter Foldable. Communicate the Ideas Students complete #1 and 2. They may work in small groups to answer #2, but provide individual responses.</p>	<p>Chapter 1 Review Students complete chapter review questions as assigned. Students check the contents of the What I Need to Work On sections of their chapter Foldable and do at least one question related to each listed item. Students revisit the KWL chart and list what they have learned about representing data. Chapter 1 Math Games Students play the math game.</p>
<p>12.4 Practise Students work on assigned questions. Typical #3, 5–7, Math Link</p>	<p>Chapter 1 Wrap It Up!</p>

<i>MathLinks 7</i>	<i>MathLinks 8</i>
<p>12.4 Check questions and clarify errors. Have students correct their work and possibly do follow-up questions if needed. Students complete the During column for section 12.4 of Chapter 12 Self-Assessment.</p>	<p>Chapter 1 Assessment of Learning Students complete one of the following:</p> <ul style="list-style-type: none"> • Chapter 1 Test • Chapter 1 Challenge in Real Life
<p>12.5 Discuss the Math Students complete #1 individually, and then share their results with a partner and complete the questions. Reflect on Your Findings Students work independently to complete this section.</p>	<p>MathLinks 8 Chapter 2 Ratios, Rates, and Proportional Reasoning Chapter Opener Read and discuss the chapter opener. Foldable Students make the chapter Foldable. Math Link Read and discuss the Math Link introduction as a class, and then have students work in pairs to complete the questions.</p>
<p>12.5 Examples Use the Examples, Show You Know, and Key Ideas to teach how to choose the best measure of central tendency. Students record their own Key Ideas and examples in their chapter Foldable. Communicate the Ideas Students complete #1 and 2.</p>	<p>Literacy Link Students complete the Frayer model for the term <i>ratio</i> on page 43. At the end of the section, students may revisit their model. 2.1 Explore the Math Students work in pairs to complete the activity, and then compare their results in small groups. Reflect on Your Findings Students work individually to complete this section.</p>
<p>12.5 Practise and Apply Students work on assigned questions. Typical #3, 4, 6, 8–10, Math Link</p>	<p>2.1 Examples Use the Examples, Show You Knows, and Key Ideas to teach two-term and three-term ratios. Students record their own Key Words, examples, and Key Ideas in their chapter Foldable. Communicate the Ideas Students work individually or in small groups to complete #1 to 4.</p>

<i>MathLinks 7</i>	<i>MathLinks 8</i>
<p>12.5 Check questions and clarify errors. Have students correct their work and possibly do follow-up questions if needed. Students complete the During column for section 12.5 of Chapter 12 Self-Assessment.</p>	<p>2.1 Practise and Apply Students work on assigned questions. Typical #5, 6, 9, 11–19, Math Link</p>
<p>Chapter 12 Review Students complete chapter review questions as assigned. Students complete the After column of Chapter 12 Self-Assessment.</p>	<p>2.1 Math Link Students create a logo for their invitation. (Students may need additional time to complete the assignment.)</p>
<p>Chapter 12 Wrap It Up!</p>	<p>2.1 Check questions and clarify errors. Have students correct their work and possibly do follow-up questions if needed. Students review the items listed in the What I Need to Work On for section 2.1 of their chapter Foldable, and check off any that have been handled.</p>
<p>Chapter 12 Math Games</p>	<p>2.2 Literacy Link Students use a Frayer model to show what they already know about rates. Explore the Math Students work in pairs to complete the activity using paper clips. Provide coaching prompts to students who would benefit. Reflect on Your Findings Students work independently to complete this section.</p>
<p>Chapter 12 Challenge in Real Life</p>	<p>2.2 Examples Use the Examples, Show You Knows, and Key Ideas to teach rates. Students record the Key Words, examples, and Key Ideas in their chapter Foldable. Communicate the Ideas Students complete #1 to 3 independently.</p>
<p>Chapter 12 Practice Test Since the Wrap It Up!, Math Games, and Challenge in Real Life provide additional reinforcement of chapter content, students may complete these activities before doing the Chapter 12 Practice Test and Chapter 12 Test.</p>	<p>2.2 Practise, Apply, and Extend Students work on assigned questions. Typical #4, 6, 7, 8, 10–16, Math Link</p>

<i>MathLinks 7</i>	<i>MathLinks 8</i>
<p>Chapter 12 Test</p>	<p>2.2 Check questions and clarify errors. Have students correct their work and possibly do follow-up questions if needed. Students review the items listed in the What I Need to Work On for section 2.2 of their chapter Foldable, and check off any that have been handled. Students revisit and revise their Frayer models.</p>
<p>MathLinks 7 Chapter 2 Operations on Decimal Numbers Chapter Opener Students read and discuss the chapter opener. Foldable Students make the chapter Foldable. Math Link Students answer the questions in the Math Link introduction.</p>	<p>2.3 Literacy Link Students use a Frayer model to show what they already know about proportions. Explore the Math Students work in pairs to complete the activity. You need to do one of the following to complete this activity: <ul style="list-style-type: none"> • get access to a computer lab • have students complete the timed typing ahead of time • have volunteers provide the class with data Reflect on Your Findings Students work independently to complete this section.</p>
<p>Self-Assessment Students complete the Before column of Chapter 2 Self-Assessment. 2.1 Discuss the Math Students work individually or in pairs to discuss and complete the questions. Reflect on Your Findings Students work independently to complete this section.</p>	<p>2.3 Examples Use the Examples, Show You Knows, and Key Ideas to teach proportional reasoning. Students record their own Key Words, examples, and Key Ideas in their chapter Foldable. Communicate the Ideas Students work in pairs or groups to complete and then discuss the answers to #1 and 3. You may also wish to have them do #2.</p>

<i>MathLinks 7</i>	<i>MathLinks 8</i>
<p>2.1 Examples Use the Examples, Show You Knows, and Key Ideas to teach estimating answers to addition or subtraction questions, and adding and subtracting decimal numbers. Students record their own Key Words, examples, and Key Ideas in their chapter Foldable.</p> <p>Communicate the Ideas Students complete #1 and 2. You may also wish to have them do #3.</p>	<p>2.3 Practise, Apply, and Extend Students work on assigned questions. Typical #4, 6, 8, 10, 11, 14–18, 21–23, 25, Math Link (Students need to have a recipe for a soup, salad, or appetizer to complete the Math Link.) (This may take longer than one class period. You may wish to review the questions and Math Link ahead of time and encourage students to plan their time.)</p>
<p>2.1 Practise, Apply, and Extend Students work on assigned questions. Typical #4, 6, 8, 11–13, 15, 16, 18, 19, 23, Math Link</p>	<p>2.3 Check questions and clarify errors. Have students correct their work and possibly do follow-up questions if needed. Students review the items listed in the What I Need to Work On for section 2.3 of their chapter Foldable, and check off any that have been handled. Students revisit and revise their Frayer models.</p>
<p>2.1 Check questions and clarify errors. Have students correct their work and possibly do follow-up questions if needed. Students complete the During column of section 2.1 of Chapter 2 Self-Assessment.</p>	<p>Chapter 2 Review Students complete chapter review questions as assigned. Students check the contents of the What I Need to Work On sections of their chapter Foldable and do at least one question related to each listed item.</p> <p>Chapter 2 Math Games Students play the math game.</p>
<p>2.2 Discuss the Math Students work individually or in pairs to answer the questions, and then discuss their answers in a small group.</p> <p>Reflect on Your Findings Students work independently to complete this section. If time permits, have students complete a Sudoku puzzle.</p>	<p>Chapter 2 Wrap It Up!</p>

<i>MathLinks 7</i>	<i>MathLinks 8</i>
<p>2.2 Examples You may wish to use base 10 blocks with hundred grids along with the Examples, Show You Knows, and Key Ideas to teach multiplying decimal numbers. Students record their own Key Ideas and examples in their chapter Foldable.</p> <p>Communicate the Ideas Students complete #1 and 2.</p>	<p>Chapter 2 Assessment of Learning Students complete one of the following:</p> <ul style="list-style-type: none"> • Chapter 2 Test • Chapter 2 Challenge in Real Life
<p>2.2 Practise, Apply, and Extend Students work on assigned questions. Typical #3, 5, 7, 10, 11, 13, 15, 18, 21, Math Link</p>	<p>MathLinks 8 Chapter 3 Pythagorean Relationship Chapter Opener Students read and discuss the chapter opener.</p> <p>Foldable Students make the chapter Foldable using grid paper.</p> <p>Math Link Students work in pairs or small groups to play the game and discuss the answers to the questions in the Math Link introduction. They need a copy of the game board and coloured counters.</p>
<p>2.2 Check questions and clarify errors. Have students correct their work and possibly do follow-up questions if needed. Students complete the During column of section 2.2 of Chapter 2 Self-Assessment.</p>	<p>3.1 Explore the Math Students work in small groups to complete the activity. They need square tiles.</p> <p>Reflect on Your Findings Students work independently to complete this section.</p>
<p>2.3 Explore the Math Students work individually to complete the activity, and then discuss their answers with a partner. They need base ten blocks or hundred grids.</p> <p>Reflect on Your Findings Students work independently to complete this section. (Students may be done prior to the end of the class period. If they are, you may wish to have them start Math Game #1 on page 78.)</p>	<p>3.1 Examples Use the Examples, Show You Knows, and Key Ideas to teach squares and square roots. Students record their own Key Words, examples, and Key Ideas in their chapter Foldable.</p> <p>Communicate the Ideas Students complete #1 to 4 individually or in pairs.</p>

<i>MathLinks 7</i>	<i>MathLinks 8</i>
<p>2.3 Examples Use the Examples, Show You Knows, and Key Ideas to teach dividing decimal numbers. Students record their own Key Ideas and examples in their chapter Foldable.</p> <p>Communicate the Ideas Students complete #1 to 3.</p>	<p>3.1 Practise, Apply, and Extend Students work on assigned questions. Typical #5, 7, 9, 11, 15, 17, 18, 23, 24, Math Link</p>
<p>2.3 Practise, Apply, and Extend Students work on assigned questions. Typical #4, 6, 8, 12, 14–17, 20, Math Link</p>	<p>3.1 Check questions and Apply #17, and clarify errors. Have students correct their work and possibly do follow-up questions if needed. Students review the items listed in the What I Need to Work On for section 3.1 of their chapter Foldable, and check off any that have been handled.</p>
<p>2.3 Check questions and clarify errors. Have students correct their work and possibly do follow-up questions if needed. Students complete the During column of section 2.3 of Chapter 2 Self-Assessment.</p>	<p>3.2 Explore the Math Students work in pairs to complete the activity. They need centimetre grid paper. Reflect on Your Findings Students work independently to complete this section.</p>
<p>2.4 Discuss the Math Students work individually or in pairs to answer the questions, and then discuss the answers as a class. Reflect on Your Findings Students work independently to complete this section.</p>	<p>3.2 Examples Use the Examples, Show You Knows, and Key Ideas to explore the Pythagorean relationship. Students record their own Key Words, examples, and Key Ideas in their chapter Foldable. Communicate the Ideas Students complete #1 to 3 independently.</p>
<p>2.4 Examples Use the Examples and Key Ideas to teach applying order of operations to decimal numbers. Students record their own Key Words, examples, and Key Ideas in their chapter Foldable. Communicate the Ideas Students complete #1 to 3.</p>	<p>3.2 Practise and Apply Students work on assigned questions. Typical #5, 6, 8, 10, 12–17, Math Link</p>

<i>MathLinks 7</i>	<i>MathLinks 8</i>
<p>2.4 Practise and Apply Students work on assigned questions. Typical #4, 6, 9, 13, 15–17, 21</p>	<p>3.2 Check questions and Apply #12, and clarify errors. Have students correct their work and possibly do follow-up questions if needed. Students review the items listed in the What I Need to Work On for section 3.2 of their chapter Foldable, and check off any that have been handled.</p>
<p>2.4 Check questions and clarify errors. Have students correct their work and possibly do follow-up questions if needed. Students complete the During column of section 2.4 of Chapter 2 Self-Assessment.</p>	<p>3.3 Explore the Math Students work individually or in pairs to complete the activity. Reflect on Your Findings Students work independently to complete this section.</p>
<p>Chapter 2 Review Students complete chapter review questions as assigned. Students complete the After column of Chapter 2 Self-Assessment.</p>	<p>3.3 Examples Use the Examples, Show You Knows, and Key Ideas to teach estimating square roots. Students record their own Key Ideas and examples in their chapter Foldable. Communicate the Ideas Students complete #1 to 3 independently.</p>
<p>Chapter 2 Wrap It Up!</p>	<p>3.3 Practise and Apply Students work on assigned questions. Typical #4–7, 9–11, 13–16, Math Link</p>
<p>Chapter 2 Math Games</p>	<p>3.3 Check questions and Apply #10, and clarify errors. Have students correct their work and possibly do follow-up questions if needed. Students review the items listed in the What I Need to Work On for section 3.3 of their chapter Foldable, and check off any that have been handled.</p>
<p>Chapter 2 Practice Test</p>	<p>3.4 Explore the Math Students work in pairs or small groups to discuss and brainstorm strategies. Provide coaching prompts to students who would benefit. They need centimetre grid paper to draw the diagram. Reflect on Your Findings Students work independently to complete this section.</p>

<i>MathLinks 7</i>	<i>MathLinks 8</i>
<p>Chapter 2 Assessment of Learning Students complete one of the following:</p> <ul style="list-style-type: none"> • Chapter 2 Test • Chapter 2 Challenge in Real Life 	<p>3.4 Examples Use the Examples, Show You Knows, and Key Ideas to teach how to use the Pythagorean relationship. Students record their own Key Ideas and examples in their chapter Foldable.</p> <p>Communicate the Ideas Students complete #1 and 2 independently.</p>
<p>MathLinks 7 Chapter 3 Geometry and Measurement Chapter Opener Students read and discuss the chapter opener.</p> <p>Foldable Students make the chapter Foldable.</p> <p>Self-Assessment Students complete the Before column of Chapter 3 Self-Assessment.</p> <p>Math Link Students read the Math Link introduction.</p>	<p>3.4 Practise and Apply Students work on assigned questions. Typical #3, 5, 6, 9–14, Math Link</p>
<p>3.1 Explore the Math Students work individually or in pairs to complete the activity, and then compare their answers in a small group. They need a protractor.</p> <p>Reflect on Your Findings Students work independently to complete this section.</p>	<p>3.4 Check questions and Apply # 9 and 10, and clarify errors. Have students correct their work and possibly do follow-up questions if needed.</p> <p>Students review the items listed in the What I Need to Work On for section 3.4 of their chapter Foldable, and check off any that have been handled.</p>
<p>3.1 Examples Use protractors and rulers with the Examples, Show You Know, and Key Ideas to teach parallel and perpendicular line segments. Students record their own Key Words, examples, and Key Ideas in their chapter Foldable.</p> <p>Communicate the Ideas Students complete #1 or 2, 3, and 4. Consider having students discuss their answers as a class.</p>	<p>3.5 Explore the Math Students work in pairs to discuss their ideas, and then share with another pair. Guide students who would benefit. Provide coaching prompts to students who would benefit.</p> <p>Reflect on Your Findings Students work independently to complete this section.</p>

<i>MathLinks 7</i>	<i>MathLinks 8</i>
<p>3.1 Practise and Apply Students work on assigned questions. Typical #5, 7–13, Math Link (Students need Internet access and may need additional time to do research for the Math Link.)</p>	<p>3.5 Examples Use the Examples, Show You Know, and Key Ideas to teach how to apply the Pythagorean relationship. Students record their own Key Ideas and examples in their chapter Foldable. Communicate the Ideas Students complete #2, and then do #1.</p>
<p>3.1 Check questions and clarify errors. Have students correct their work and possibly do follow-up questions if needed. Students complete the During column for section 3.1 of Chapter 3 Self-Assessment.</p>	<p>3.5 Practise, Apply, and Extend Students work on assigned questions. Typical #3, 5, 7–10, 13, Math Link</p>
<p>3.2 Explore the Math Students work individually or in small groups to complete the activity. They need a protractor. Reflect on Your Findings Students work independently to complete this section.</p>	<p>3.5 Check questions and Apply #7, and clarify errors. Have students correct their work and possibly do follow-up questions if needed. Students review the items listed in the What I Need to Work On for section 3.5 of their chapter Foldable, and check off any that have been handled.</p>
<p>3.2 Example Use the Example, Show You Know, and Key Ideas to teach how to draw perpendicular bisectors. Students record their own Key Words, examples, and Key Ideas in their chapter Foldable. Communicate the Ideas Students complete #1 to 3.</p>	<p>Chapter 3 Review Students complete chapter review questions as assigned. Students check the contents of the What I Need to Work On sections of their chapter Foldable and do at least one question related to each listed item. Chapter 3 Math Games Students play the math game.</p>
<p>3.2 Practise and Apply Students work on assigned questions. Typical #4, 6–9, Math Link (Students may have some additional time, which they can use to work on their previous Math Link assignment on page 94.)</p>	<p>Chapter 3 Wrap It Up!</p>

<i>MathLinks 7</i>	<i>MathLinks 8</i>
<p>3.2 Check questions and clarify errors. Have students correct their work and possibly do follow-up questions if needed. Students complete the During column for section 3.2 of Chapter 3 Self-Assessment.</p>	<p>Chapter 3 Assessment of Learning Students complete one of the following:</p> <ul style="list-style-type: none"> • Chapter 3 Test • Chapter 3 Challenge in Real Life
<p>3.3 Explore the Math Students work individually or in pairs to complete the activity. They need a protractor. Reflect on Your Findings Students work independently to complete this section.</p>	<p>MathLinks 8 Chapter 5 Surface Area Chapter Opener Students read and discuss the chapter opener. Foldable Students make the chapter Foldable. Math Link Students work as a class to create the essentials for their miniature community, and then complete the questions.</p>
<p>3.3 Example Use the Example, Show You Know, and Key Ideas to teach how to draw angle bisectors. Students record their own Key Words, examples, and Key Ideas in their chapter Foldable. Communicate the Ideas Students complete #1 to 5 in small groups, and then share their answers as a class.</p>	<p>5.1 Explore the Math Students work in pairs to discuss and complete the activity. Students need unit blocks and isometric dot paper. Reflect on Your Findings Students work independently to complete this section.</p>
<p>3.3 Practise, Apply, and Extend Students work on assigned questions. Typical #6, 8, 9, 11 <i>or</i> 12, 13, Math Link (Students continue to develop their Math Link.)</p>	<p>5.1 Examples Use the Examples, Show You Knows, and Key Ideas to teach views of three-dimensional objects. Students record their own Key Ideas and examples in their chapter Foldable. Communicate the Ideas Students complete #1 and 2 individually or in groups.</p>
<p>3.3 Check questions and clarify errors. Have students correct their work and possibly do follow-up questions if needed. Students complete the During column for section 3.3 of Chapter 3 Self-Assessment.</p>	<p>5.1 Practise and Apply Students work on assigned questions. Typical #3a), b), <i>or</i> c), 4, 6, 7, 8, 9a), b), <i>or</i> c), Math Link</p>

<i>MathLinks 7</i>	<i>MathLinks 8</i>
<p>3.4 Explore the Math Students work in pairs to complete the activity. They need centimetre grid paper. Reflect on Your Findings Students work independently to complete this section.</p>	<p>5.1 Check the Practise questions and Apply #8, and clarify errors. Have students correct their work and possibly do follow-up questions if needed. Students review the items listed in the What I Need to Work On for section 5.1 of their chapter Foldable, and check off any that have been handled.</p>
<p>3.4 Examples Use the Examples, Show You Knows, and Key Ideas to teach area and height of a parallelogram. Students record their own Key Words, examples, and Key Ideas in their chapter Foldable. Communicate the Ideas Students work in pairs or small groups to answer and discuss #1 and 2.</p>	<p>5.2 Explore the Math Students work in pairs or small groups to share the tasks and complete the activity. They need centimetre grid paper and right rectangular prisms. Reflect on Your Findings Students work independently to complete this section.</p>
<p>3.4 Practise and Apply Students work on assigned questions. Typical #3, 5, 7, 9, 11–18, Math Link</p>	<p>5.2 Examples Use the Examples, Show You Knows, and Key Ideas to teach nets of three-dimensional objects. Students record their own Key Words, examples, and Key Ideas in their chapter Foldable. Communicate the Ideas Students complete #1 and 2 independently.</p>
<p>3.4 Check questions and clarify errors. Have students correct their work and possibly do follow-up questions if needed. Students complete the During column for section 3.4 of Chapter 3 Self-Assessment.</p>	<p>5.2 Practise, Apply, and Extend Students work on assigned questions. Typical #3, 6–8, 10, 13, Math Link</p>
<p>3.5 Explore the Math Students work in pairs to complete the activity. They need centimetre grid paper. Reflect on Your Findings Students work independently to complete this section.</p>	<p>5.2 Check the Practise questions and Apply #10, and clarify errors. Have students correct their work and possibly do follow-up questions if needed. Students review the items listed in the What I Need to Work On for section 5.2 of their chapter Foldable, and check off any that have been handled.</p>

<i>MathLinks 7</i>	<i>MathLinks 8</i>
<p>3.5 Examples Use the Examples, Show You Knows, and Key Ideas to teach area of a triangle. Students record their own Key Ideas and examples in their chapter Foldable.</p> <p>Communicate the Ideas Students work in pairs or small groups to answer and discuss #1 or 3, and #2.</p>	<p>5.3 Explore the Math Students work in pairs or small groups to complete the activity. They need cardboard boxes to cut.</p> <p>Reflect on Your Findings Students work independently to complete this section.</p>
<p>3.5 Practise and Apply Students work on assigned questions. Typical #4, 6, 8, 10, 11, 13–15, Math Link</p>	<p>5.3 Examples Use the Examples, Show You Knows, and Key Ideas to teach surface area of a prism. Students record their own Key Words, examples, and Key Ideas in their chapter Foldable.</p> <p>Communicate the Ideas Students complete #1 and 2 independently.</p>
<p>3.5 Check questions and clarify errors. Have students correct their work and possibly do follow-up questions if needed. Students complete the During column for section 3.5 of Chapter 3 Self-Assessment.</p>	<p>5.3 Practise and Apply Students work on assigned questions. Typical #3 or 4, 5 or 6, 8, 10, 12, Math Link (Students may need additional time to complete the assignment and Math Link.)</p>
<p>Chapter 3 Review Students complete chapter review questions as assigned. Students complete the After column of Chapter 3 Self-Assessment.</p>	<p>5.3 Check the Practise questions and Apply #8, and clarify errors. Have students correct their work and possibly do follow-up questions if needed. Students review the items listed in the What I Need to Work On for section 5.3 of their chapter Foldable, and check off any that have been handled.</p>
<p>Chapter 3 Wrap It Up!</p>	<p>5.4 Explore the Math Students work in pairs or small groups to discuss and brainstorm strategies.</p> <p>Reflect on Your Findings Students work independently to complete this section.</p>
<p>Chapter 3 Math Games</p>	<p>5.4 Examples Use the Examples, Show You Knows, and Key Ideas to teach surface area of a cylinder. Students record their own Key Words, examples, and Key Ideas in their chapter Foldable.</p> <p>Communicate the Ideas Students complete #1 and 2 individually.</p>

<i>MathLinks 7</i>	<i>MathLinks 8</i>
Chapter 3 Challenge in Real Life	5.4 Practise and Apply Students work on assigned questions. Typical #3, 4 or 5, 6, 8–10, Math Link
Chapter 3 Practice Test	5.4 Check the Practise questions and Apply #8, and clarify errors. Students review the items listed in the What I Need to Work On for section 5.4 of their chapter Foldable, and check off any that have been handled.
Chapter 3 Test	Chapter 5 Review Students complete chapter review questions as assigned. Students check the contents of the What I Need to Work On sections of their chapter Foldable and do at least one question related to each listed item. Chapter 5 Math Games Students play the math game.
Task Students start the Task on page 155.	Chapter 5 Wrap It Up!
Task Students complete the Task on page 155.	Chapter 5 Assessment of Learning Students complete one of the following: • Chapter 5 Test • Chapter 5 Challenge in Real Life

<i>MathLinks 7</i>	<i>MathLinks 8</i>
<p>Section #2</p> <p>In this second series of chapters, students work on fractions, decimals, and percents. Both grades start with Chapter 4.</p>	
<p><i>MathLinks 7 Chapter 4 Fractions, Decimals, and Percents</i></p>	<p><i>MathLinks 8 Chapter 4 Understanding Percent</i></p>
<p>Both grades read and discuss their respective chapter opener and make the chapter Foldable.</p>	
<p>Self-Assessment Students complete the Before column of Chapter 4 Self-Assessment.</p> <p>Math Link Students read the Math Link introduction.</p> <p>4.1 Explore the Math Students work independently to build their loading strip, and then complete the questions.</p> <p>Reflect on Your Findings Students work independently to complete this section.</p>	<p>Literacy Link Students use the concept map on page 119 to organize their understanding of <i>percent</i>.</p> <p>Math Link Students complete the Math Link introduction questions. They may work in pairs or discuss ideas in groups.</p>
<p>4.1 Examples Use the Examples (with loading strip), Show You Knows, and Key Ideas to teach how to find percent of a number and compare fractions, decimals, and percents. Students record their own Key Words, examples, and Key Ideas in their chapter Foldable.</p> <p>Communicate the Ideas Students complete #1–4.</p>	<p>4.1 Explore the Math Students work in pairs to complete the activity. They need hundred grids.</p> <p>Reflect on Your Findings Students work independently to complete this section.</p>
<p>4.1 Practise, Apply, and Extend Students work on assigned questions. Typical #5, 8, 9, 11, 12, 14, 16, 19–22, 26, 29, Art Link</p>	<p>4.1 Examples Use the Examples, Show You Knows, and Key Ideas to teach how to represent percents. Students record their own Key Words, examples, and Key Ideas in their chapter Foldable.</p> <p>Communicate the Ideas Students complete #1 to 3 individually or in groups.</p>

<i>MathLinks 7</i>	<i>MathLinks 8</i>
<p>4.1 (Students may need additional time to complete the assigned questions from previous class.) Art Link Students work independently to create a personal logo.</p>	<p>4.1 Practise, Apply, and Extend Students work on assigned questions. Typical #4, 6, 9–15, Math Link</p>
<p>4.1 Check questions and clarify errors. Have students correct their work and possibly do follow-up questions if needed. Students complete the During column for section 4.1 of Chapter 4 Self-Assessment.</p>	<p>4.1 Check the Practise questions and clarify errors. Have students correct their work and possibly do follow-up questions if needed. Students review the items listed in the What I Need to Work On for section 4.1 of their chapter Foldable, and check off any that have been handled.</p>
<p>4.2 Discuss the Math Students work individually or in small groups to complete the questions. Reflect on Your Findings Students work independently to complete this section.</p>	<p>4.2 Explore the Math Students work in small groups to complete the activity. Reflect on Your Findings Students work independently to complete this section.</p>
<p>4.2 Examples Use the Examples, Show You Knows, and Key Ideas to teach fractions, decimals, and percents. Students record their own Key Words, examples, and Key Ideas in their chapter Foldable. Communicate the Ideas Students complete #1 and 4, and #2 or 3.</p>	<p>4.2 Examples Use the Examples, Show You Knows, and Key Ideas to teach conversions among fractions, decimals, and percents. Students record their own Key Ideas and examples in their chapter Foldable. Communicate the Ideas Students complete #1 and 2 in small groups, and then discuss their answers.</p>
<p>4.2 Practise and Apply Students work on assigned questions. Typical #5, 7, 8, 10, 12, 14, 16–19, Math Link</p>	<p>4.2 Practise and Apply Students work on assigned questions. Typical #4, 6, 8, 13–18, Math Link</p>
<p>4.2 Check questions and clarify errors. Have students correct their work and possibly do follow-up questions if needed. Students complete the During column for section 4.2 of Chapter 4 Self-Assessment.</p>	<p>4.2 Check the Practise questions and Apply #13, and clarify errors. Have students correct their work and possibly do follow-up questions if needed. Students review the items listed in the What I Need to Work On for section 4.2 of their chapter Foldable, and check off any that have been handled.</p>

<i>MathLinks 7</i>	<i>MathLinks 8</i>
<p>4.3 Discuss the Math Students work in small groups to complete the questions.</p> <p>Reflect on Your Findings Students work independently to complete this section.</p>	<p>4.3 Explore the Math Students work in pairs or small groups to complete the activity.</p> <p>Reflect on Your Findings Students work independently to complete this section.</p>
<p>4.3 Example Use the Example and Key Ideas to model using percents to make comparisons. Students record their own Key Ideas and examples in their chapter Foldable.</p> <p>Communicate the Ideas Students work in pairs to complete #1, and then individually to complete #2 or 3.</p>	<p>4.3 Examples Use the Examples, Show You Knows, and Key Ideas to teach percent of a number. Students record their own Key Ideas and examples in their chapter Foldable.</p> <p>Communicate the Ideas Students complete #1 and 2 individually.</p>
<p>4.3 Practise and Apply Students work on assigned questions. Typical #4–6, 8–13, 15–17, Math Link (Students need headlines or advertisements to do the Math Link.) (Students may need additional time to complete the assigned questions and the Math Link.)</p>	<p>4.3 Practise and Apply Students work on assigned questions. Typical #3, 5, 8–13, Math Link (Students need to research ideas about reducing water consumption for the Math Link.)</p>
<p>4.3 Check questions and clarify errors. Have students correct their work and possibly do follow-up questions if needed. Students complete the During column for section 4.3 of Chapter 4 Self-Assessment.</p>	<p>4.3 Check the Practise questions and Apply #7, and clarify errors. Have students correct their work and possibly do follow-up questions if needed. Students review the items listed in the What I Need to Work On for section 4.3 of their chapter Foldable, and check off any that have been handled.</p>
<p>Chapter 4 Review Students complete chapter review questions as assigned. Students complete the After column of Chapter 4 Self-Assessment.</p>	<p>4.4 Explore the Math Students work in pairs, and then discuss the answers as a class.</p> <p>Reflect on Your Findings Students work independently to complete this section.</p>

<i>MathLinks 7</i>	<i>MathLinks 8</i>
Chapter 4 Wrap It Up!	<p>4.4 Examples Use the Examples, Show You Knows, and Key Ideas to teach how to combine percents. Students record their own Key Ideas and examples in their chapter Foldable.</p> <p>Communicate the Ideas Students complete #1 to 3 independently, and then share their answers for #3 as a class.</p>
Chapter 4 Math Games	<p>4.4 Practise and Apply Students work on assigned questions. Typical #4, 6, 8–12, Math Link</p>
Chapter 4 Practice Test	<p>4.4 Check questions and clarify errors. Have students correct their work and possibly do follow-up questions if needed. Students review the items listed in the What I Need to Work On for section 4.4 of their chapter Foldable, and check off any that have been handled.</p>
Chapter 4 Challenge in Real Life	<p>Chapter 4 Review Students complete chapter review questions as assigned. Students check the contents of the What I Need to Work On sections of their chapter Foldable and do at least one question related to each listed item. Students revisit and revise the concept map about percent.</p>
Chapter 4 Test	<p>Chapter 4 Math Games Students play the math game.</p>

<i>MathLinks 7</i>	<i>MathLinks 8</i>
<p>Math Links 7 Chapter 6 Introduction to Fraction Operations Chapter Opener Students read and discuss the chapter opener.</p> <p>Foldable Students make the chapter Foldable.</p> <p>Math Link Students read the Math Link introduction.</p> <p>Self-Assessment Students complete the Before column of the Chapter 6 Self-Assessment.</p>	<p>Chapter 4 Wrap It Up!</p>
<p>6.1 Explore the Math Students create a Foldable for divisibility rules. Students work through Parts #1 to 4. Some parts may be difficult and require guidance.</p> <p>Reflect on Your Findings Students work independently to complete each section for each part.</p>	<p>Chapter 4 Practice Test</p>
<p>6.1 Examples Use Examples, Show You Knows, and Key Ideas to teach divisibility.</p> <p>Communicate the Ideas Students complete #1a) or b), and 2 to 4 to show understanding.</p>	<p>Chapter 4 Assessment of Learning Students complete one of the following:</p> <ul style="list-style-type: none"> • Chapter 4 Test • Chapter 4 Challenge in Real Life
<p>6.1 Practise and Apply Students work on assigned questions. Typical #5, 7, 9, 11, 13, 15, 17–21, 23, Math Link. Students may need additional time to complete the assigned questions and Math Link.</p>	<p>Chapters 1-4 Review Students complete at least one question for each concept, skill, or process. Minimum #1, 2, 4–6, 8, 10, 12–20, 22, 24, 25. Students check the contents of the What I Need to Work On sections in each of their chapter Foldables and do at least one question related to each listed item.</p>

<i>MathLinks 7</i>	<i>MathLinks 8</i>
<p>6.1 Check questions and clarify errors. Have students correct their work and possibly do follow-up questions if needed. Students review the items listed in the What I Need to Work On for section 6.1 of their chapter Foldable, and check off any that have been handled. Students complete the During column for section 6.1 of the Chapter Self-Assessment.</p>	<p>Math Links 8 Chapter 6 Fraction Operations Literacy Link Students identify what they know and what they want to know about fraction operations by completing the first two columns of the KWL on page 195. Math Link Students complete the Math Link introduction. They may work in pairs for discussion purposes. They may use a map to help answer the questions.</p>
<p>6.2 Explore the Math Students work individually or in pairs to complete the activity. Reflect on Your Findings Students work independently to complete this section.</p>	<p>6.1 Explore the Math Students work in pairs to complete the activity. (Provide manipulatives for students to use during this activity.) Reflect on Your Findings Students work independently to complete this section.</p>
<p>6.2 Examples Use the Examples, Show You Knows and Key Ideas to teach adding fractions with like denominators. Communicate the Ideas Students complete #1 to 3 to show understanding.</p>	<p>6.1 Examples Use the Examples, Show You Knows, and Key Ideas to teach students how to multiply a fraction and a whole number. Communicate the Ideas Students work individually to complete #1–3 to show understanding, and then share their answers with a partner.</p>
<p>6.2 Practise, Apply, and Extend Students work on assigned questions. Typical #5, 7, 9, 11, 13–15, Math Link</p>	<p>6.1 Practise and Apply Students work on assigned questions. Typical #4, 6, 8–12, Math Link.</p>
<p>6.2 Check questions and clarify errors. Have students correct their work and possibly do follow-up questions if needed. Students review the items listed in the What I Need to Work On for section 6.2 of their chapter Foldable, and check off any that have been handled. Students complete the During column for section 6.2 of the Chapter 6 Self-Assessment.</p>	<p>6.1 Check questions and clarify errors. Students review the items listed in the What I Need to Work On for section 6.1 of their chapter Foldable, and check off any that have been handled.</p>

<i>MathLinks 7</i>	<i>MathLinks 8</i>
<p>6.3 Explore the Math Students work independently to complete the activity.</p> <p>Reflect on Your Findings Students work independently to complete this section.</p>	<p>6.2 Explore the Math Students work in pairs to complete the activity.</p> <p>Reflect on Your Findings Students work independently to complete this section. (Students may be finished this section prior to the end of the class.)</p>
<p>6.3 Examples Use the Examples, Show You Knows and Key Ideas to teach subtracting fractions with like denominators.</p> <p>Communicate the Ideas Students complete #1 and 2 individually to show their understanding. Discuss #3 as a class.</p>	<p>6.2 Examples Use the Examples, Show You Knows, and Key Ideas to teach students how to divide a fraction by a whole number.</p> <p>Communicate the Ideas Students complete #1 and 2 individually to show understanding.</p>
<p>6.3 Practise and Apply Students work on assigned questions. Typical #4, 6, 8, 10, 11, Math Link</p>	<p>6.2 Practise and Apply Students work on assigned questions. Typical #4, 6, 8–13, Math Link.</p>
<p>6.3 Check questions and clarify errors. Have students correct their work and possibly do follow-up questions if needed. Students complete the During column for section 6.3 of the Chapter 6 Self-Assessment.</p>	<p>6.2 Check questions and clarify errors. Have students correct their work and possibly do follow-up questions if needed. Students review the items listed in the What I Need to Work On for section 6.2 of their chapter Foldable, and check off any that have been handled.</p>
<p>Chapter 6 Review Students complete the chapter review questions as assigned. Students check the contents of the What I Need to Work On sections of their chapter Foldable and do at least one question related to each listed item. Students complete the After column of the Chapter 6 Self-Assessment.</p> <p>Chapter 6 Math Games Students play the math game.</p>	<p>6.3 Explore the Math Students work in pairs to complete the activity. You may choose to provide guiding questions as they complete the activity.</p> <p>Reflect on Your Findings Students work independently to complete this section.</p>

<i>MathLinks 7</i>	<i>MathLinks 8</i>
<p>Chapter 6 Wrap It Up!</p>	<p>6.3 Examples Use the Examples, Show You Knows, and Key Ideas to teach students how to multiply proper fractions.</p> <p>Communicate the Ideas Students complete #1 and 2 individually to show their understanding, and then share their answers with a partner.</p>
<p>Chapter 6 Challenge in Real Life Students choose one of the following:</p> <ul style="list-style-type: none"> • Green Mathematics • Math Mosaics 	<p>6.3 Practise and Apply Students work assigned questions. Typical #3, 5, 7–11, Math Link. See the Teacher's Guide for the Essential, and Extension/Enrichment assignments.</p>
<p>Chapter 6 Test</p>	<p>6.3 Check questions and clarify errors. Students review the items listed in the What I Need to Work On for section 6.3 of their chapter Foldable, and check off any that have been handled.</p>
<p>Math Links 7 Chapter 7 Add and Subtract Fractions Chapter Opener Students read and discuss the chapter opener.</p> <p>Foldable Students make the chapter Foldable.</p> <p>Self-Assessment Students complete the Before column of the Chapter 7 Self-Assessment.</p> <p>Math Link Students read the Math Link introduction and think about the question posed.</p>	<p>6.4 Explore the Math Students work in pairs to complete the activity. You may choose to provide challenging questions to some students. As well, as encourage others.</p> <p>Reflect on Your Findings Students work independently to complete this section.</p>
<p>7.1 Explore the Math Students work individually or in pairs to complete the activity.</p> <p>Reflect on Your Findings Students work independently to complete this section.</p>	<p>6.4 Examples Use the Examples, Show You Knows, and Key Ideas to teach students how to multiply improper fractions and mixed numbers.</p> <p>Communicate the Ideas Students complete #1–3 individually to show their understanding, and then share their answers with a partner.</p>

<i>MathLinks 7</i>	<i>MathLinks 8</i>
<p>7.1 Examples Use Example, Show You Know, and Key Ideas to teach common denominators.</p> <p>Communicate the Ideas Discuss #1 as a class, then students complete 2 and 3 to show understanding.</p>	<p>6.4 Practise and Apply Students work on assigned questions. Typical #4a), c), 5b), d), 6c), d), 8b), c), 10–15, 17, Math Link.</p>
<p>7.1 Practise, Apply, and Extend Students work on assigned questions. Typical #4 or 5, 6 or 7, 8 or 9, 10–15, 18, Math Link. Students may need additional time to complete the assigned questions and Math Link.</p>	<p>6.4 Check questions and clarify errors. Have students correct their work and possibly do follow-up questions if needed.</p>
<p>7.1 Check questions and clarify errors. Students review the items listed in the What I Need to Work On for section 7.1 of their chapter Foldable, and check off any that have been handled. Students complete the During column for section 7.1 of the Chapter 7 Self-Assessment.</p>	<p>6.5 Explore the Math Students work in pairs to complete the activity. You may choose to provide guiding questions to assist some students.</p> <p>Reflect on Your Findings Students work independently to complete this section.</p>
<p>7.2 Explore the Math Students work individually or in pairs to complete the activity.</p> <p>Reflect on Your Findings Students work independently to complete this section.</p>	<p>6.5 Examples Use the Examples, Show You Knows, and Key Ideas to teach students how to divide fractions and mixed numbers.</p> <p>Communicate the Ideas Students complete #1 to 3 individually to show their understanding. Discuss #3 as a class.</p>
<p>7.2 Examples Use Examples, Show You Knows, and Key Ideas to teach adding and subtracting fractions with unlike denominators.</p> <p>Communicate the Ideas Students complete #1 to 3 to show understanding. You may wish to discuss #1 and 3 as a class.</p>	<p>6.5 Practise and Apply Students work on assigned questions. Typical #5a), c), a), 7c), 9, 11–19, Math Link.</p>
<p>7.2 Practise, Apply, and Extend Students work on assigned questions. Typical #4, 6, 9, 11, 14, 16, 17, 18 or 19, 22, Math Link. Students may need additional time to complete the questions and Math Link.</p>	<p>6.5 Check questions and clarify errors. Students review the items listed in the What I Need to Work On for section 6.5 of their chapter Foldable, and check off any that have been handled.</p>

<i>MathLinks 7</i>	<i>MathLinks 8</i>
<p>7.2 Check questions and clarify errors. Students review the items listed in the What I Need to Work On for section 7.2 of their chapter Foldable, and check off any that have been handled. Students complete the During column for section 7.2 of the Chapter 7 Self-Assessment.</p>	<p>6.6 Explore the Math Students work in pairs or small groups to complete the activity, then discuss their results with the class. Reflect on Your Findings Students discuss their responses to #7 as a class.</p>
<p>7.3 Discuss the Math Work through Example #1 as a class to teach students how to add mixed numbers. Then have students work through Example #2 individually or in pairs. Communicate the Ideas Students complete #1 to 3 individually to show their understanding. Clarify any misconceptions prior to beginning Practise questions.</p>	<p>6.6 Examples Use the Examples, Show You Knows, and Key Ideas to teach students how to apply fraction operations. Communicate the Ideas Students complete #1 and 2 individually to show their understanding.</p>
<p>7.3 Practise, Apply, and Extend Students work on assigned questions. Typical #4, 6, 8, 10, 12–15, 17, 19, Math Link. Students may need additional time to complete the assigned questions and Math Link.</p>	<p>6.6 Practise and Apply Students work on assigned questions. Typical #4, 6, 11–13, Math Link.</p>
<p>7.3 Check questions and clarify errors. Students review the items listed in the What I Need to Work On for section 7.3 of their chapter Foldable, and check off any that have been handled. Students complete the During column for section 7.3 of the Chapter 7 Self-Assessment.</p>	<p>6.6 Check questions and clarify errors. Students review the items listed in the What I Need to Work On for section 6.6 of their chapter Foldable, and check off any that have been handled.</p>
<p>7.4 Discuss the Math Work through Examples #1 and 2 as a class to show students how to subtract mixed numbers. Communicate the Ideas Students complete #1 and 2 in pairs or small groups to show their understanding.</p>	<p>Chapter 6 Review Students complete the chapter review questions as assigned. Students check the contents of the What I Need to Work On sections of their chapter Foldable and do at least one question related to each list item.</p>

<i>MathLinks 7</i>	<i>MathLinks 8</i>
<p>7.4 Practise, Apply, and Extend Students work on assigned questions. Typical #3, 5, 7, 9, 11–13, 15–17, 21, 22, Math Link. Students may need additional time to complete the assigned questions and Math Link.</p>	<p>Chapter 6 Math Games Students play the math game.</p>
<p>7.4 Check questions and clarify errors. Students review the items listed in the What I Need to Work On for section 7.4 of their chapter Foldable, and check off any that have been handled. Students complete the During column for section 7.4 of the Chapter 7 Self- Assessment.</p>	<p>Chapter 6 Practice Test</p>
<p>Chapter 7 Review Students complete chapter review questions as assigned. Students check the contents of the What I Need to Work On sections of their chapter Foldable and do at least one question related to each list item. Students complete the After column of the Chapter 7 Self-Assessment. Chapter 7 Math Games Students play math game.</p>	<p>Chapter 6 Wrap It Up!</p>
<p>Chapter 7 Assessment of Learning Students complete one of the following:</p> <ul style="list-style-type: none"> • Chapter 7 Test • Chapter 7 Challenge in Real Life 	<p>Chapter 6 Challenge in Real Life</p>
<p>Chapter 7 Wrap It Up!</p>	<p>Chapter 6 Test Allow students time to finish the Challenge in Real Life after the test has been completed.</p>

<i>MathLinks 7</i>	<i>MathLinks 8</i>
<p>Section #3</p> <p>In this third series of chapters, students begin with probability. Then, they work on geometry.</p>	
Math Links 7 Chapter 5 Probability	Math Links 8 Chapter 11 Probability
Both grades read and discuss their respective chapter opener and make the chapter Foldable.	
<p>Math Link Students read over and discuss probability in familiar games.</p> <p>Self-Assessment Students complete Before column of the Chapter 5 Self-Assessment.</p>	<p>Literacy Link Students use the concept map on page 407 to organize their understanding of <i>probability</i>.</p>
<p>5.1 Discuss the Math Students work in pairs, then discuss as a class to complete the activity.</p> <p>Reflect on Your Findings Students work in pairs to complete this section.</p>	<p>Math Link Students complete the Math Link introduction questions. They may work in pairs, and then discuss their results as a class.</p>
<p>5.1 Examples Use the Examples, Show You Knows, and Key Ideas to teach probability.</p> <p>Communicate the Ideas Students complete #1 and 2 individually or as a class to show understanding.</p>	<p>11.1 Explore the Math Students work in pairs or small groups to complete the activity. You may wish to have students create the spinner. You may choose to provide guiding questions as they complete the activity.</p> <p>Reflect on Your Findings Students work independently to complete this section.</p>
<p>5.1 Practise and Apply Students work on assigned questions. Typical #3 or 4, 5 or 6, 7, 8 or 9, 10, Math Link.</p>	<p>11.1 Examples Use the Examples, Show You Knows, and Key Ideas to teach students how to determine probabilities using tree diagrams and tables.</p> <p>Communicate the Ideas Students complete #1 individually or discuss with a partner.</p>

<i>MathLinks 7</i>	<i>MathLinks 8</i>
<p>5.1 Check questions and clarify errors. Students review the items listed in the What I Need to Work On for section 5.1 of their chapter Foldable, and check off any that have been handled. Students complete the During column for section 5.1 of the Chapter 5 Self-Assessment.</p>	<p>11.1 Practise and Apply Students work on assigned questions. Typical #3, 5, 7–10, Math Link.</p>
<p>5.2 Discuss the Math Students work individually or in small pairs to complete the activity, then discuss as a class. Reflect on Your Findings Students work independently to complete this section.</p>	<p>11.1 Check the questions and clarify errors. Students review the items listed in the What I Need to Work On for section 11.1 of their chapter Foldable, and check off any that have been handled.</p>
<p>5.2 Examples Use the Examples, Show You Knows, and Key Ideas to teach students how to organize outcomes. Communicate the Ideas Students complete #1–3 to show understanding. They may work on #1 with a partner. They may work independently or in groups to answer #2 and 3.</p>	<p>11.2 Explore the Math Students work in pairs or small groups to complete the activity. Reflect on Your Findings Students work independently to complete this section.</p>
<p>5.2 Practise and Apply Students work on assigned questions. Typical #4 or 5, 6 or 7, 8, 9 or 10, 11, 12, Math Link. Students may need additional time to complete the assigned questions and Math Link.</p>	<p>11.2 Examples Use the Examples, Show You Knows, and Key Ideas to teach outcomes of independent events. Communicate the Ideas Students complete #1 and 2 individually to show understanding, and then discuss the answers for #2 as a class.</p>
<p>5.2 Check questions and clarify errors. Students review the items listed in the What I Need to Work On for section 5.2 of their chapter Foldable, and check off any that have been handled. Students complete the During column for section 5.2 of the Chapter 5 Self-Assessment.</p>	<p>11.2 Practise, Apply and Extend Students work on assigned questions. Typical #3, 5, 7–12, Math Link. (Students may need additional time to complete the assigned questions and Math Link.)</p>

<i>MathLinks 7</i>	<i>MathLinks 8</i>
<p>5.3 Discuss the Math Work as a class to complete the task.</p> <p>Reflect on Your Findings Students work independently to complete this section.</p>	<p>11.2 Check the questions and clarify errors. Students review the items listed in the What I Need to Work On for section 11.2 of their chapter Foldable, and check off any that have been handled.</p>
<p>5.3 Examples Use the Examples, Show You Knows, and Key Ideas to teach probabilities of simple independent events.</p> <p>Communicate the Ideas Students complete #1–2, working in groups, to show understanding.</p>	<p>11.3 Explore the Math Students copy and complete the table individually, then discuss their answers as a class.</p> <p>Reflect on Your Findings Students work independently to complete this section.</p>
<p>5.3 Practise and Apply Students work on assigned questions. Typical #3, 4, 6, 8–11, 12 or 13. Students may need additional time to complete the assigned questions.</p>	<p>11.3 Examples Use the Examples, Show You Knows, and Key Ideas to teach students how to determine probabilities using fractions.</p> <p>Communicate the Ideas Students complete #1–3 individually, or with a partner, to show their understanding.</p>
<p>5.3 Check questions and clarify errors. Students review the items listed in the What I Need to Work On for section 5.3 of their chapter Foldable, and check off any that have been handled. Students complete the During column for section 5.3 of the Chapter 5 Self-Assessment.</p>	<p>11.3 Practise, Apply, and Extend Students work on assigned questions. Typical #4, 6, 8–14, Math Link. (Students may need additional time to complete the assignment and Math Link.)</p>
<p>5.4 Explore the Math Students work through the activity as a class.</p> <p>Reflect on Your Findings Students work independently to complete this section.</p>	<p>11.3 Check the practise questions and clarify errors. Students review the items listed in the What I Need to Work On for section 11.3 of their chapter Foldable, and check off any that have been handled.</p>

<i>MathLinks 7</i>	<i>MathLinks 8</i>
<p>5.4 Examples Use the Examples, Show You Knows, and Key Ideas to teach applications of independent events.</p> <p>Communicate the Ideas Students complete #1 and 2 individually or in groups.</p>	<p>Chapter 11 Review Students complete chapter review questions as assigned. Students check the contents of the What I Need to Work On sections of their chapter Foldable and do at least one question related to each listed item.</p> <p>Literacy Link Students may create another concept map to show what they now know about probability, without looking at their original map.</p>
<p>5.4 Practise and Apply Students work on assigned questions. Typical #3, 5, two of 7, 8, 9, Math Link.</p>	<p>Chapter 11 Math Games Students play the math game with a partner.</p>
<p>5.4 Check questions and clarify errors. Students review the items listed in the What I Need to Work On for section 5.4 of their chapter Foldable, and check off any that have been handled. Students complete the During column for section 5.4 of the Chapter 5 Self-Assessment.</p>	<p>Chapter 11 Wrap It Up! Students work in pairs to complete this activity.</p>
<p>5.5 Explore the Math Students work through the activity as a class.</p> <p>Reflect on Your Findings Students work independently to complete this section.</p>	<p>Chapter 11 Practice Test</p>
<p>5.5 Examples Use the Examples, Show You Knows, and Key Ideas to teach conducting probability experiments.</p> <p>Communicate the Ideas Students complete #1–3 individually or as a class.</p>	<p>Chapter 11 Challenge in Real Life</p>
<p>5.5 Practise and Apply Students work on practise questions that are assigned. Typical #4, 6, 8–11.</p>	<p>Chapter 11 Alternative Challenge Students at this level often need additional experience with probability. Have students do the alternative Challenge in Real Life for Chapter 11, which is on the Online Learning Centre.</p>

<i>MathLinks 7</i>	<i>MathLinks 8</i>
<p>5.5 Check questions and clarify errors. Students review the items listed in the What I Need to Work On for section 5.5 of their chapter Foldable, and check off any that have been handled. Students complete the During column for section 5.5 of the Chapter 5 Self-Assessment.</p>	<p>Chapter 11 Test</p>
<p>Chapter 5 Review Students complete the chapter review questions as assigned. Students check the contents of the What I Need to Work On sections of their chapter Foldable and do at least one question related to each listed item. Students complete the After column of the Chapter 5 Self-Assessment. Chapter 5 Math Games Students play the math game.</p>	<p>Math Links 8 Chapter 7 Volume Chapter Opener Students read and discuss the chapter opener. Foldable Students make the chapter Foldable. Literacy Link Students use the Verbal Visual Chart (VVC) to organize what they learn about volume.</p>
<p>Chapter 5 Assessment of Learning Students complete one of the following: • Chapter 5 Test • Chapter 5 Challenge in Real Life</p>	<p>Math Link Students work in small groups to complete the Math Link introduction questions.</p>
<p>Chapter 5 Wrap It Up!</p>	<p>7.1 Explore the Math Students work in pairs to complete the activity. Students will need centimetre cubes. Reflect on Your Findings Students discuss the questions in pairs or small groups and then share with the class.</p>

<i>MathLinks 7</i>	<i>MathLinks 8</i>
<p>Math Links 7 Chapter 8 Circles Chapter Opener Students read and discuss the chapter opener.</p> <p>Foldable Students make the chapter Foldable.</p> <p>Math Link Students read over and discuss circles in familiar objects such as drums.</p> <p>Self-Assessment Students complete the Before column of the Chapter 8 Self-Assessment.</p>	<p>7.1 Examples Use the Examples, Show You Knows and Key Ideas to teach students how to understand volume.</p> <p>Communicate the Ideas Students complete #1 individually, then complete #2 with a partner.</p>
<p>8.1 Explore the Math Students can work independently, in pairs, or in small groups to work through the two examples.</p>	<p>7.1 Practise and Apply Students work on assigned questions. Typical #1, 2, 3a), b), 4a), b), 5, 7–13, Math Link. Students may need additional time to complete the assigned questions and Math Link.</p>
<p>8.1 Examples Use the Examples, Show You Know, and Key Ideas to teach students how to construct circles.</p> <p>Communicate the Ideas All students complete #1 individually to show understanding.</p>	<p>7.1 Check the practise questions and clarify any errors. Students review the items listed in the What I Need to Work On for section 7.1 of their chapter Foldable, and check off any that have been handled.</p>
<p>8.1 Practise, Apply, and Extend Students work on assigned questions. Typical #2–12, Math Link.</p>	<p>7.2 Explore the Math Students work in pairs to complete the activity.</p> <p>Reflect on Your Findings Students work independently to complete this section, and then discuss their formulas as a class.</p>
<p>8.1 Check questions and clarify errors. Students review the items listed in the What I Need to Work On for section 8.1 of their chapter Foldable, and check off any that have been handled. Students complete the During column for section 8.1 of the Chapter 8 Self-Assessment.</p>	<p>7.2 Examples Use the Examples, Show You Knows and Key Ideas to teach the volume of a prism.</p> <p>Communicate the Ideas Students complete #1–3 individually to show understanding. Then, they discuss the answers in small groups before presenting shared understanding to the class.</p>

<i>MathLinks 7</i>	<i>MathLinks 8</i>
<p>8.2 Explore the Math Students work individually, then share their results with other classmates or the class to complete the questions.</p> <p>Reflect on Your Findings Students work independently to complete this section.</p>	<p>7.2 Practise and Apply Students work on assigned questions. Typical #1–4, 5a), b), 7a), b), 8a), b), 9, 11–15, Math Link. Students may need additional time to complete the assigned questions and Math Link.</p>
<p>8.2 Examples Use the Examples, Show You Knows, and Key Ideas to teach the circumference of a circle.</p> <p>Communicate the Ideas Students complete #1 and 2 to show understanding.</p>	<p>7.2 Check the practise questions and clarify errors. Students review the items listed in the What I Need to Work On for section 7.2 of their chapter Foldable, and check off any that have been handled.</p>
<p>8.2 Practise and Apply Students work on assigned questions. Typical #3–14, Math Link. Students may need additional time to complete assignment and Math Link.</p>	<p>7.3 Explore the Math Students work in pairs and use a variety of empty cans to complete the activity.</p> <p>Reflect on Your Findings Students work independently to complete this section.</p>
<p>8.2 Check questions and clarify errors. Students review the items listed in the What I Need to Work On for section 8.2 of their chapter Foldable, and check off any that have been handled. Students complete the During column for section 8.2 of the Chapter 8 Self-Assessment.</p>	<p>7.3 Examples Use the Examples, Show You Knows and Key Ideas to teach students how to determine the volume of a cylinder.</p> <p>Communicate the Ideas Students complete #1 and 3 individually, then compare results for #1 with a partner. They may work on #2 in pairs.</p>
<p>8.3 Explore the Math Students work individually, in pairs or as a class to complete Parts 1 and 2 of the activity. You may demonstrate Part 2 instead.</p> <p>Reflect on Your Findings Students work independently to complete both parts within the section.</p>	<p>7.3 Practise and Apply Students work on assigned questions. Typical #1, 3, 4a), b), 5a), d), 6a), b), 7a), b), 8, 10, 12–14, Math Link . Students may need additional time to complete the assigned questions and Math Link.</p>

<i>MathLinks 7</i>	<i>MathLinks 8</i>
<p>8.3 Examples Use the Examples, Show You Knows, and Key Ideas to teach the area of a circle.</p> <p>Communicate the Ideas Students complete #1–3 to show understanding. Students work independently on #1, then in pairs on #2 and 3.</p>	<p>7.3 Check the practise questions and clarify errors. Students review the items listed in the What I Need to Work On for section 7.3 of their chapter Foldable, and check off any that have been handled.</p>
<p>8.3 Practise, Apply, and Extend Students work on assigned questions. Typical #4–16, Math Link. Students may need additional time to complete the assigned questions and Math Link.</p>	<p>7.4 Explore the Math Students work in pairs to complete the activity.</p> <p>Reflect on Your Findings Students work independently to complete this section.</p>
<p>8.3 Check questions and clarify errors. Students review the items listed in the What I Need to Work On for section 8.3 of their chapter Foldable, and check off any that have been handled. Students complete the During column for section 8.3 of the Chapter 8 Self-Assessment.</p>	<p>7.4 Examples Use the Examples (#1 as a class, #2 and #3 with a partner), Show You Knows and Key Ideas to teach students how to solve problems involving prisms and cylinders.</p> <p>Communicate the Ideas Students complete #1 and 2 individually to show understanding.</p>
<p>8.4 Discuss the Math Students work through the activity individually or with a partner and then discuss their results as a class.</p> <p>Reflect on Your Findings Students work in pairs to complete this section.</p>	<p>7.4 Practise and Apply Students work on assigned questions. Typical #1–5, 7, 9–11, 13, 14, Math Link. Students may need additional time to complete the assigned questions and Math Links.</p>
<p>8.4 Examples Use the Example and Key Ideas to teach how to interpret circle graphs.</p> <p>Communicate the Ideas Students complete #1 and 2 individually to show understanding, and then share answers with a partner.</p>	<p>7.4 Check the practise questions and clarify errors. Students review the items listed in the What I Need to Work On for section 7.4 of their chapter Foldable, and check off any that have been handled.</p>
<p>8.4 Practise and Apply Students work on assigned questions. Typical #3–8.</p>	<p>Chapter 7 Review Students complete chapter review questions as assigned. Students check the contents of the What I Need to Work On sections of their chapter Foldable and do at least one question related to each listed item.</p>

<i>MathLinks 7</i>	<i>MathLinks 8</i>
<p>8.4 Check questions and clarify errors. Students review the items listed in the What I Need to Work On for section 8.4 of their chapter Foldable, and check off any that have been handled. Students complete the During column for section 8.4 of the Chapter 8 Self-Assessment.</p>	<p>Chapter 7 Math Games Students play the math game either in pairs or small groups.</p>
<p>8.5 Explore the Math Students work individually, with a partner, or as a class to complete the activity. Students will need to survey the class or have data about the number of siblings ahead of time. Reflect on Your Findings Students work independently to complete this section, and then share their results as a class.</p>	<p>Chapter 7 Wrap It Up!</p>
<p>8.5 Examples Use the Examples and Key Ideas to teach how to create circle graphs. Example #2 demonstrates drawing a circle graph using technology. Communicate the Ideas Students complete #1–3 individually to show understanding.</p>	<p>Chapter 7 Practice Test</p>
<p>8.5 Practise and Apply Students work on assigned questions. Typical #4–10. Students need a computer to create the circle graphs for questions #7–10. Students may need additional time to complete the assigned questions.</p>	<p>Chapter 7 Challenge This challenge will take two classes.</p>
<p>8.5 Check questions and clarify errors. Students review the items listed in the What I Need to Work On for section 8.5 of their chapter Foldable, and check off any that have been handled. Students complete the During column for section 8.5 on the Chapter 8 Self-Assessment.</p>	<p>Chapter 7 Challenge Students finish working on the challenge.</p>

<i>MathLinks 7</i>	<i>MathLinks 8</i>
<p>Chapter 8 Review Students complete the chapter review questions as assigned. Students check the contents of the What I Need to Work On sections of their chapter Foldable and do at least one question related to each listed item. Students complete the After column for the Chapter 8 Self-Assessment.</p> <p>Chapter 8 Math Games Students play the game with a partner.</p>	<p>Chapter 7 Alternative Challenge The challenges for Chapters 5 and 7 provide good hands-on experience for students and will motivate students who may not usually do well in math class. Have students either do the alternative Challenge in Real Life for Chapter 7, which is on the Online Learning Centre, or have them do the alternative Challenge in Real Life for Chapter 5. You may wish to have some students work on the Chapter 7 alternative challenge while others work on the Chapter 5 alternative challenge.</p>
<p>Chapter 8 Assessment of Learning Students complete one of the following:</p> <ul style="list-style-type: none"> • Chapter 8 Test • Chapter 8 Challenge in Real Life 	<p>Chapter 7 Alternative Challenge The alternative challenges will take two classes.</p>
<p>Chapter 8 Wrap It Up! Students need to research drum designs.</p>	<p>Chapter 7 Test</p>
<p>Chapters 5-8 Review Students complete at least one question for each concept, skill, or process. Minimum #1, 2, 4–7, 9–11, 13, 16, and 17. Students check the contents of the What I Need to Work On sections in each of their chapter Foldables and do at least one question related to each listed item.</p>	<p>Chapters 1–4 Task While grade 7 students are working on the cumulative review for Chapters 5–8, have grade 8 students also review past work by doing the Task on page 155. If they need a second period on this task, you may wish to have grade 7 students consolidate their learning further by doing the Task on page 307 of <i>MathLinks 7</i>.</p>
<p>Chapters 5–8 Task Have students complete the Task on page 307.</p>	<p>Chapters 1–4 Task (continued) If students need a second period on this task, you may wish to have grade 7 students consolidate their learning further by doing the Task on page 307 of <i>MathLinks 7</i>.</p>

<i>MathLinks 7</i>	<i>MathLinks 8</i>
<p>Section #4</p> <p>In this fourth series of chapters, students work on integers.</p>	
Math Links 7 Chapter 9 Add and Subtract Integers	Math Links 8 Chapter 8 Integers
Both grades read and discuss their respective chapter opener and make the chapter Foldable.	
<p>Self-Assessment Students complete the Before column of the Chapter 9 Self-Assessment.</p> <p>Math Link Students read over and consider the questions in the Math Link.</p>	<p>Literacy Link Students identify what they know and want to know about integers by completing the first two columns of the KWL chart on page 283.</p> <p>Math Link Students work as a class to discuss and answer the questions.</p> <p>8.1 Explore the Math Students work in pairs to complete the activity. Students will need integer chips or other suitable manipulative.</p> <p>Reflect on Your Findings Students work independently to complete this section.</p>
<p>9.1 Explore the Math Students can work with a partner to complete the activity. (Students need integer chips or circles to colour.)</p> <p>Reflect on Your Findings Students work independently to complete this section.</p>	<p>8.1 Examples Use the Examples, Show You Knows, and Key Ideas to teach exploring integer multiplication.</p> <p>Communicate the Ideas Students complete #1, 2, and 4 in groups and discuss their answers.</p>
<p>9.1 Examples Use the Examples, Show You Know, and Key Ideas to teach exploring integer addition.</p> <p>Communicate the Ideas Students complete #1–3 individually to show understanding, and then discuss their answers with a partner.</p>	<p>8.1 Practise and Apply Students work on assigned questions. Typical #4, 5, 7, 9, 14–18.</p>
<p>9.1 Practise and Apply Students work on assigned questions. Typical #5, 7, 9, 11–16.</p>	<p>8.1 Check questions and clarify errors. Students review the items listed in the What I Need to Work On for section 8.1 of their chapter Foldable, and check off any that have been handled.</p>

<i>MathLinks 7</i>	<i>MathLinks 8</i>
<p>9.1 Check questions and clarify errors. Students review the items listed in the What I Need to Work On for section 9.1 of their chapter Foldable, and check off any that have been handled. Students complete the During column for section 9.1 of the Chapter 9 Self-Assessment.</p>	<p>8.2 Explore the Math Students work in pairs or small groups to complete the activity. Students may need integer chips or other suitable manipulatives to assist them in completing the activity. Reflect on Your Findings Students work independently to complete this section.</p>
<p>9.2 Explore the Math Students work in pairs or small groups to complete the task. (Students may use integer chips or number lines.) Reflect on Your Findings Students work independently to complete this section.</p>	<p>8.2 Examples Use the Examples, Show You Knows, and Key Ideas to teach multiplying integers. Communicate the Ideas Students complete #1–3 in groups and discuss their answers.</p>
<p>9.2 Examples Use the Examples, Show You Know, and Key Ideas to teach adding integers. Communicate the Ideas Students complete #1, 3, and 4 to show understanding.</p>	<p>8.2 Practise and Apply Students work on assigned questions. Typical #4, 6, 8, 10, 12–24, Math Link (Students may need additional time to complete the assigned questions and Math Link.)</p>
<p>9.2 Practise and Apply Students work on assigned questions. Typical #2, 5–10, 13–15, 17–19, Math Link. Students may need additional time to complete the assigned questions and Math Link.</p>	<p>8.2 Check questions and clarify errors. Students review the items listed in the What I Need to Work On for section 8.2 of their chapter Foldable, and check off any that have been handled.</p>
<p>9.2 Check questions and clarify errors. Students review the items listed in the What I Need to Work On for section 9.2 of their chapter Foldable, and check off any that have been handled. Students complete the During column for section 9.2 of the Chapter 9 Self-Assessment.</p>	<p>8.3 Explore the Math Students work in pairs to complete the activity. Students may need integer chips or other suitable manipulatives to assist in this activity. Reflect on Your Findings Students work independently to complete this section.</p>

<i>MathLinks 7</i>	<i>MathLinks 8</i>
<p>9.3 Explore the Math Students can work with a partner to complete the activity. (Students need integer chips or circles to colour.)</p> <p>Reflect on Your Findings Students work independently to complete this section.</p>	<p>8.3 Examples Use the Examples, Show You Knows, and Key Ideas to teach exploring integer division.</p> <p>Communicate the Ideas Students complete #1 in groups and discuss their answers.</p>
<p>9.3 Examples Use the Examples, Show You Know, and Key Ideas to teach exploring integer subtraction.</p> <p>Communicate the Ideas Students complete #1–4 to show understanding. (Students may use integer chips.)</p>	<p>8.3 Practise and Apply Students work on assigned questions. Typical #3, 5, 7, 10–14.</p>
<p>9.3 Practise and Apply Students work on assigned questions. Typical #5, 7, 9, 11, 13–18.</p>	<p>8.3 Check questions and clarify errors. Students review the items listed in the What I Need to Work On for section 8.3 of their chapter Foldable, and check off any that have been handled.</p>
<p>9.3 Check questions and clarify errors. Students review the items listed in the What I Need to Work On for section 9.3 of their chapter Foldable, and check off any that have been handled. Students complete the During column for section 9.3 of the Chapter 9 Self-Assessment.</p>	<p>8.4 Explore the Math Students work in pairs or small groups to complete the activity. Students may need integer chips or other suitable manipulatives to assist with this activity.</p> <p>Reflect on Your Findings Students work independently to complete this section.</p>
<p>9.4 Explore the Math Students complete the table individually, then discuss their answers in pairs or small groups. (You may wish to demonstrate using chips on the overhead.)</p> <p>Reflect on Your Findings Students work independently to complete this section.</p>	<p>8.4 Examples Use the Examples, Show You Knows, and Key Ideas to teach dividing integers.</p> <p>Communicate the Ideas Students complete #1–3 in groups and discuss their answers.</p>

<i>MathLinks 7</i>	<i>MathLinks 8</i>
<p>9.4 Examples Use the Examples, Show You Know, and Key Ideas to teach how to subtract integers.</p> <p>Communicate the Ideas Students complete #1–4 individually to show understanding.</p>	<p>8.4 Practise and Apply Students work on assigned questions. Typical #5, 7, 9, 11–20, Math Link. (Students may need additional time to complete the assignment and Math Link.)</p>
<p>9.4 Practise, Apply, and Extend Students work on assigned questions. Typical #5, 7, 9, 11, 13, 15–22, Math Link. Students may need additional time to complete the assigned questions and Math Link.</p>	<p>8.4 Check questions and clarify errors. Students review the items listed in the What I Need to Work On for section 8.4 of their chapter Foldable, and check off any that have been handled.</p>
<p>9.4 Check questions and clarify errors. Students review the items listed in the What I Need to Work On for section 9.4 of their chapter Foldable, and check off any that have been handled. Students complete the During column for section 9.4 of the Chapter 9 Self-Assessment.</p>	<p>8.5 Explore the Math Students work in groups of three, role playing to complete the activity.</p> <p>Reflect on Your Findings Students work independently to complete this section.</p>
<p>9.5 Explore the Math Students work in small groups to complete the activity. (Students may need integer chips or faces to manipulate.)</p> <p>Reflect on Your Findings Students work independently to complete this section.</p>	<p>8.5 Examples Use the Examples, Show You Knows, and Key Ideas to teach how to apply integer operations.</p> <p>Communicate the Ideas Students complete #1–3 in pairs or small groups and discuss their answers.</p>
<p>9.5 Examples Use the Example and Key Ideas to teach how to apply integer operations.</p> <p>Communicate the Ideas Students complete #1–2 individually to show understanding.</p>	<p>8.5 Practise, Apply, and Extend Students work on assigned questions. Typical #4, 6, 8–21 Some students may need to use a calculator for #9. Students may need additional time to complete the assigned questions and Math Link.</p>
<p>9.5 Practise and Apply Students work on assigned questions. Typical #3–5, 9–15, Science Link. Students may need additional time to complete the assigned questions and Science Link.</p>	<p>8.5 Check questions and clarify errors. Students review the items listed in the What I Need to Work On for section 8.5 of their chapter Foldable, and check off any that have been handled.</p>

<i>MathLinks 7</i>	<i>MathLinks 8</i>
<p>9.5 Check questions and clarify errors. Students review the items listed in the What I Need to Work On for section 9.5 of their chapter Foldable, and check off any that have been handled. Students complete the During column for section 9.5 of the Chapter 9 Self-Assessment.</p>	<p>Chapter 8 Review Students complete the chapter review questions as assigned. Students check the contents of the What I Need to Work On sections of their chapter Foldable and do at least one question related to each listed item.</p>
<p>Chapter 9 Review Students complete the chapter review questions as assigned. Students check the contents of the What I Need to Work On sections of their chapter Foldable and do at least one question related to each listed item. Students complete the After column of the Chapter 9 Self-Assessment.</p>	<p>Chapter 8 Math Games Students may play the game in pairs or small groups.</p>
<p>Chapter 9 Assessment of Learning Students complete one of the following: • Chapter 9 Test • Chapter 9 Challenge in Real Life</p>	<p>Chapter 8 Assessment of Learning Students complete one of the following: • Chapter 8 Test • Chapter 8 Challenge in Real Life</p>
<p>Chapter 9 Wrap It Up!</p>	<p>Chapter 8 Wrap It Up! Students may work in pairs or small groups.</p>
<p>Chapter 9 Math Games Students play the game in pairs or in a group.</p>	<p>Chapters 5-8 Review Students complete at least one question for each concept, skill, or process. Minimum #1–5, 8–11, 13, 17, 18, 20, 22, 25, 28, 29, 31. Students check the contents of the What I Need to Work On sections in each of their chapter Foldables and do at least one question related to each listed item.</p>

<i>MathLinks 7</i>	<i>MathLinks 8</i>
<p>Section #5</p> <p>In this fifth series of chapters, students work on a highly visual chapter.</p>	
<p>Both grades read and discuss their respective chapter opener and make the chapter Foldable.</p>	
<p><i>Math Links 7 Chapter 1 Coordinates and Design</i></p>	<p><i>Math Links 8 Chapter 12 Tessellations</i></p>
<p>Math Link Students read over and consider the question in the Math Link.</p> <p>Self-Assessment Students complete the Before column of the Chapter 1 Self-Assessment.</p>	<p>Literacy Link Students complete the Frayer model for the term <i>tessellation</i> on page 443. At the end of the section, students may revisit their model.</p> <p>Math Link Students work individually, in pairs, or as a class on #1 and 2. Students complete #3 individually. (You may provide information for students to recall irregular and regular shapes.)</p> <p>12.1 Explore the Math Students work in pairs to complete the activity. (Students will need pattern blocks or cardboard cut outs to work with.)</p> <p>Reflect on Your Findings Students work independently to complete this section.</p>
<p>1.1 Explore the Math Students create a Foldable with a coordinate grid inside. (It would be helpful to have one made ahead of time.)</p> <p>Reflect on Your Findings Students work independently to complete this section.</p>	<p>12.1 Examples Use the Example, Show You Know, and Key Ideas to teach students how to explore tessellations with regular and irregular polygons.</p> <p>Communicate the Ideas Students complete #1 and 2 in groups and discuss their answers.</p>
<p>1.1 Examples Use the Examples, Show You Knows, and Key Ideas to teach students about the Cartesian Plane.</p> <p>Communicate the Ideas Students complete #1a) and b), and one of 2, 3, or 4 individually to show understanding.</p>	<p>12.1 Practise and Apply Students work on assigned questions. Typical #1, 2, 4, 6, 8–10, Math Link. Students may need additional time to complete the assigned questions and Math Link.</p>

<i>MathLinks 7</i>	<i>MathLinks 8</i>
<p>1.1 Practise and Apply Students work on assigned questions. Typical #5, 7, 9, 11, 12, 14, 16, Math Link.</p>	<p>12.1 Check questions and clarify errors. Students review the items listed in the What I Need to Work On for section 12.1 of their chapter Foldable, and check off any that have been handled.</p>
<p>1.1 Check questions and clarify errors. Students review the items listed in the What I Need to Work On for section 1.1 of their chapter Foldable, and check off any that have been handled. Students complete the During column for section 1.1 of the Chapter 1 Self-Assessment.</p>	<p>12.2 Explore the Math Students work in pairs or small groups to complete the activity. (Students need pattern blocks or cardboard cut outs for this activity.) Reflect on Your Findings Students work independently to complete this section.</p>
<p>1.2 Explore the Math Students work individually to complete the design, and then have a classmate check their work. Reflect on Your Findings Students work independently to complete this section.</p>	<p>12.2 Examples Use the Example, Show You Know, and Key Ideas to teach how to construct tessellations using translations and reflections. Communicate the Ideas Students complete #1 and 2 in groups and discuss their answers.</p>
<p>1.2 Examples Use the Examples, Show You Knows, and Key Ideas (Foldable) to teach creating designs. Communicate the Ideas Students complete #1 individually to show understanding, then complete 2 as a class.</p>	<p>12.2 Practise and Apply Students work on assigned questions. Typical #1–4, 6–8, Math Link. Students may need additional time to complete the assigned questions and Math Link.</p>
<p>1.2 Practise, Apply, and Extend Students work on assigned questions that are assigned. Typical #3, 5, 7, 8, 10, 11, Math Link.</p>	<p>12.2 Check questions and clarify errors. Students review the items listed in the What I Need to Work On for section 12.2 of their chapter Foldable, and check off any that have been handled.</p>

<i>MathLinks 7</i>	<i>MathLinks 8</i>
<p>1.2 Check questions and clarify errors. Students review the items listed in the What I Need to Work On for section 1.2 of their chapter Foldable, and check off any that have been handled. Students complete the During column for section 1.2 of the Chapter 1 Self-Assessment.</p>	<p>12.3 Explore the Math Students work in pairs to complete the activity. (Students may use an equilateral triangle for reference.) Reflect on Your Findings Students work independently to complete this section.</p>
<p>1.3 Explore the Math As a class, students work through each concept. Reflect on Your Findings Discuss with the class the questions after each concept.</p>	<p>12.3 Examples Use the Example, Show You Know, and Key Ideas to teach how to explore integer division. Communicate the Ideas Students complete #1 and 2 in groups and discuss their answers.</p>
<p>1.3 Examples Use the Examples, Show You Knows, and Key Ideas to teach transformations. Circulate and ask questions while students work individually through the examples. Communicate the Ideas Students complete #1 and 2 to show understanding.</p>	<p>12.3 Practise and Apply Students work on assigned questions. Typical #1–4, 5 or 6, 7, Math Link. (Students may need additional time to complete the assigned questions and Math Link.)</p>
<p>1.3 Practise and Apply Students work on assigned questions. Typical #3, 5, 11, 16, 19, 20, Math Link. (Student may need additional time to complete the assigned questions and Math Link.)</p>	<p>12.3 Check questions and clarify errors. Students review the items listed in the What I Need to Work On for section 12.3 of their chapter Foldable, and check off any that have been handled.</p>
<p>1.3 Check questions and clarify errors. Students review the items listed in the What I Need to Work On for section 1.3 of their chapter Foldable, and check off any that have been handled. Students complete the During column for section 1.3 of the Chapter 1 Self-Assessment.</p>	<p>12.4 Explore the Math Students work in pairs to complete the activity. Reflect on Your Findings Students work independently to complete this section.</p>

<i>MathLinks 7</i>	<i>MathLinks 8</i>
<p>1.4 Explore the Math Students complete the activity.</p> <p>Reflect on Your Findings Students work independently to complete this section. (Students may share their examples with the class.)</p>	<p>12.4 Examples Use the Example, Show You Know, and Key Ideas to teach how to create Escher-style tessellations.</p> <p>Communicate the Ideas Students complete #1 and 3 in groups and discuss their answers.</p>
<p>1.4 Examples Use the Examples, Show You Knows, and Key Ideas to teach horizontal and vertical distances.</p> <p>Communicate the Ideas Students complete #1 and 2 in pairs to show understanding. Students may discuss #1c) and 2 as a class.</p>	<p>12.4 Practise and Apply Students work on assigned questions. Typical #1, 3–5, 6 or 7, 8 or 9 or 10, Math Link (Students may need additional time to complete the assignment and Math Link.)</p>
<p>1.4 Practise, Apply, and Extend Students work on assigned questions. Typical #3, 6 – 9, 11.</p>	<p>12.4 Check questions and clarify errors. Students review the items listed in the What I Need to Work On for section 12.4 of their chapter Foldable, and check off any that have been handled.</p>
<p>1.4 Check questions and clarify errors. Students review the items listed in the What I Need to Work On for section 1.4 of their chapter Foldable, and check off any that have been handled. Students complete the During column for section 1.4 of the Chapter 1 Self-Assessment.</p>	<p>Chapter 12 Review Students complete the chapter review questions as assigned. Students check the contents of the What I Need to Work On sections of their chapter Foldable and do at least one question related to each listed item.</p>
<p>Chapter 1 Review Students complete chapter review questions as assigned. Students check the contents of the What I Need to Work On sections of their chapter Foldable and do at least one question related to each listed item. Students complete the After column of the Chapter 1 Self-Assessment.</p>	<p>Chapter 12 Math Games Students play the math game.</p>

<i>MathLinks 7</i>	<i>MathLinks 8</i>
<p>Chapter 1 Challenge in Real Life Students will have fun working on the challenge, as they put their new skills to use and learn what animators do in real life.</p>	<p>Chapter 12 Challenge in Real Life This is an interesting challenge that students will enjoy taking extra time to do. The challenge will take more than one period.</p>
<p>Chapter 1 Practice Test or Math Game Have students reinforce skills by playing the math game or doing the practice test. Some students may wish to work on some practice test questions in addition to playing the math game.</p>	<p>Chapter 12 Challenge in Real Life Students complete the challenge. Students who finish early may start working on the Wrap It Up! activity.</p>
<p>Chapter 1 Wrap It Up!</p>	<p>Chapter 12 Wrap It Up! Students finish working on the Wrap It Up! activity.</p>
<p>Chapter 1 Test Students who finish the test early can finish either their Challenge in Real Life or Wrap It Up! activities.</p>	<p>Chapter 12 Test</p>

<i>MathLinks 7</i>	<i>MathLinks 8</i>
Section #6	
In this final series of chapters, students work on algebra.	
Both grades read and discuss their respective chapter opener and make the chapter Foldable.	
<i>Math Links 7 Chapter 10 Patterns and Expressions</i>	<i>Math Links 8 Chapter 9 Linear Relations</i>
<p>Self-Assessment Students complete the Before column of the Chapter 10 Self-Assessment.</p> <p>Math Link Students read over and consider the questions in the Math Link.</p> <p>10.1 Explore the Math Students work individually to complete the activity.</p> <p>Reflect on Your Findings Students work independently to complete this section.</p>	<p>Literacy Link Students identify what they know and want to know about linear relations by completing the first two columns of the KWL chart on page 329.</p> <p>Math Link Students work individually or in pairs to complete the questions.</p>
<p>10.1 Examples Use the Examples, Show You Knows, and Key Ideas to teach students how to describe patterns.</p> <p>Communicate the Ideas Students complete #1 in pairs, and 2–4 individually to show understanding.</p>	<p>9.1 Explore the Math Students work on the questions in groups and then share their results with the class.</p> <p>Reflect on Your Findings Students work independently or in groups to complete this section.</p>
<p>10.1 Practise and Apply Students work on assigned questions. Typical #5, 7, 9, 11–15, Math Link. (Students may need additional time to complete the assigned questions and Math Link.)</p>	<p>9.1 Examples Use the Examples, Show You Knows, and Key Ideas to teach students how to analyse graphs of linear relations.</p> <p>Communicate the Ideas Students complete #1 and 3 in pairs or in small groups.</p>
<p>10.1 Check questions and clarify errors. Students review the items listed in the What I Need to Work On for section 10.1 of their chapter Foldable, and check off any that have been handled. Students complete the During column for section 10.1 of the Chapter 10 Self-Assessment.</p>	<p>9.1 Practise and Apply Students work on assigned questions. Typical #1, 3, 4, 6, 8–13, Math Link. (Students may need additional time to complete the assigned questions and Math Link.)</p>

<i>MathLinks 7</i>	<i>MathLinks 8</i>
<p>10.2 Explore the Math Students work in pairs to complete the activity.</p> <p>Reflect on Your Findings Students work independently to complete this section.</p>	<p>9.1 Check questions and clarify errors. Students review the items listed in the What I Need to Work On for section 9.1 of their chapter Foldable, and check off any that have been handled.</p>
<p>10.2 Examples Use the Examples, Show You Knows, and Key Ideas to teach variables and expressions. Have students build the pattern in Example 1.</p> <p>Communicate the Ideas Students complete #1–3 to show understanding. Students complete #1 individually, 2 with a partner, and 3 as a class discussion.</p>	<p>9.2 Explore the Math Students work individually, in pairs, or in small groups to complete the activity.</p> <p>Reflect on Your Findings Students discuss this section with a partner, or with the class.</p>
<p>10.2 Practise and Apply Students work on assigned questions. Typical #4, 6, 8, 9, 11–13, 15, 16, Math Link. (Students may need additional time to complete the assignment and Math Link.)</p>	<p>9.2 Examples Use the Examples, Show You Knows, and Key Ideas to teach students about patterns in a table of values.</p> <p>Communicate the Ideas Students work independently to complete #1 and in small groups to complete #3 to show understanding.</p>
<p>10.2 Check questions and clarify errors. Students review the items listed in the What I Need to Work On for section 10.2 of their chapter Foldable, and check off any that have been handled. Students complete the During column for section 10.2 of the Chapter 10 Self-Assessment.</p>	<p>9.2 Practise and Apply Students work on assigned questions. Typical #1, 3, 4, 6, 8, 10, 12–16, Math Link (Students may need additional time to complete the assignment and Math Link.)</p>
<p>10.3 Explore the Math Students work in small groups to complete the activity.</p> <p>Reflect on Your Findings Students work independently to complete this section.</p>	<p>9.2 Check questions and clarify errors. Students review the items listed in the What I Need to Work On for section 9.2 of their chapter Foldable, and check off any that have been handled.</p>

<i>MathLinks 7</i>	<i>MathLinks 8</i>
<p>10.3 Examples Students work through the first example using cups and counters. Then, use the second example, Show You Knows, and Key Ideas to teach how to evaluate expressions.</p> <p>Communicate the Ideas Students complete #1 and 2, 3 or 4 to show understanding.</p>	<p>9.3 Explore the Math Students work in groups to complete the activity. (Students need to have a variety of sizes of tubes to complete the activity.)</p> <p>Reflect on Your Findings As a class, students discuss this section.</p>
<p>10.3 Practise and Apply Students work on assigned questions. Typical #5, 7, 9, 11, 13, 15, 17, 18, Math Link.</p>	<p>9.3 Examples Use the Examples, Show You Knows, and Key Ideas to teach linear relationships.</p> <p>Communicate the Ideas Students complete #1–3 to show understanding. Students may work independently, in pairs, or in small groups.</p>
<p>10.3 Check questions and clarify errors. Students review the items listed in the What I Need to Work On for section 10.3 of their chapter Foldable, and check off any that have been handled. Students complete the During column for section 10.3 of the Chapter 10 Self-Assessment.</p>	<p>9.3 Practise and Apply Students work on assigned questions. Typical #1–3, 5, 7, 9, 11, 14–17. (Students may need additional time to complete the assigned questions.)</p>
<p>10.4 Explore the Math Students can work individually or in pairs to complete the activity.</p> <p>Reflect on Your Findings Students work independently to complete this section.</p>	<p>9.3 Check questions and clarify errors. Students review the items listed in the What I Need to Work On for section 9.3 of their chapter Foldable, and check off any that have been handled.</p>
<p>10.4 Examples Use the Examples, Show You Knows, and Key Ideas to teach students how to graph linear relations. Students find their method of choice for Example 1.</p> <p>Communicate the Ideas Students complete #1 or 2 individually to show understanding.</p>	<p>Chapter 9 Review Students complete the chapter review questions as assigned. Students check the contents of the What I Need to Work On sections of their chapter Foldable and do at least one question related to each listed item.</p>

<i>MathLinks 7</i>	<i>MathLinks 8</i>
<p>10.4 Practise and Apply Students work on assigned questions. Typical #3, 5, 7–13, Math Link. (Students may need additional time to complete the assigned questions and Math Link.)</p>	<p>Chapter 9 Math Games</p>
<p>10.4 Check questions and clarify errors. Students review the items listed in the What I Need to Work On for section 10.4 of their chapter Foldable, and check off any that have been handled. Students complete the During column for section 10.4 of the Chapter 10 Self-Assessment.</p>	<p>Chapter 9 Challenge in Real Life</p>
<p>Chapter 10 Review Students complete the chapter review questions as assigned. Students check the contents of the What I Need to Work On sections of their chapter Foldable and do at least one question related to each listed item. Students complete the After column of the Chapter 10 Self-Assessment. Chapter 10 Math Games Students play the math game.</p>	<p>Chapter 9 Test</p>
<p>Chapter 10 Challenge in Real Life Students complete the activity in groups of three.</p>	<p>Chapter 9 Wrap It Up! (Students may require Internet access to research and choose an adventure tour.)</p>
<p>Chapter 10 Test</p>	<p>Math Links 8 Chapter 10 Solving Linear Equations Chapter Opener Read and discuss the chapter opener. Foldable Students make the chapter Foldable.</p>
<p>Math Links 7 Chapter 11 Solving Equations Chapter Opener Students read and discuss the Chapter Opener. Foldable Students make the chapter Foldable.</p>	<p>Literacy Link Students identify what they know and what they want to know about solving linear equations by completing the first two columns of the KWL chart on page 367. Math Link Students work in pairs to complete the questions.</p>

<i>MathLinks 7</i>	<i>MathLinks 8</i>
<p>Math Link Students read over and think about ways to use mathematics to create secret codes.</p> <p>Self-Assessment Students complete the Before column in the Chapter 11 Self-Assessment.</p>	<p>10.1 Explore the Math Students work independently or in pairs to complete the activity, then discuss their results.</p> <p>Reflect on Your Findings Students work independently to complete this section.</p>
<p>11.1 Explore the Math Students may work in pairs using cups and counters to complete the activity.</p> <p>Reflect on Your Findings Students work independently to complete this section.</p>	<p>10.1 Examples Use the Examples, Show You Knows, and Key Ideas to teach students how to model and solve one-step equations.</p> <p>Communicate the Ideas Students complete #1–4 individually, then have a class discussion.</p>
<p>11.1 Examples Use the Examples, Show You Knows, and Key Ideas to teach expressions and equations.</p> <p>Communicate the Ideas Students complete #1–2 individually to show understanding.</p>	<p>10.1 Practise and Apply Students work on practise questions that are assigned. Typical #5a), b), 7b), d), 8a), c), 11a), d), 13, 15, 19–23, Math Link. (Students may need additional time to complete the assignment and Math Link.)</p>
<p>11.1 Practise and Apply Students work on assigned questions. Typical #3–5, 9–12, Math Link.</p>	<p>10.1 Check questions and clarify errors. Students review the items listed in the What I Need to Work On for section 10.1 of their chapter Foldable, and check off any that have been handled.</p>
<p>11.1 Check questions and clarify errors. Students review the items listed in the What I Need to Work On for section 11.1 of their chapter Foldable, and check off any that have been handled. Students complete the During column for section 11.1 of the Chapter 11 Self-Assessment.</p>	<p>10.2 Explore the Math Students work in groups of three to model the examples and discuss their results. Use the Show You Knows and Key Ideas to teach students how to model and solve two-step equations.</p>
<p>11.2 Explore the Math Students work in pairs or small groups to complete the activity. (Students can model the situations using cups and counters.)</p> <p>Reflect on Your Findings Students work independently to complete this section.</p>	<p>Communicate the Ideas Students complete #1–2 individually to show understanding and discuss answers once they are completed.</p>

<i>MathLinks 7</i>	<i>MathLinks 8</i>
<p>11.2 Examples Use the Examples, Show You Know and Key Ideas to teach students how to solve one-step equations.</p> <p>Communicate the Ideas Students complete #1–3 to show understanding.</p>	<p>10.2 Practise and Apply Students work on assigned questions. Typical #3, 5, 7–9, 11–17, Math Link. (Students may need additional time to complete the assignment and Math Link.)</p>
<p>11.2 Practise and Apply Students work on practise questions that are assigned. Typical #4, 6, 8, 9, 12–18, Math Link (Students may need additional time to complete the assignment and Math Link.)</p>	<p>10.2 Check questions and clarify errors. Students review the items listed in the What I Need to Work On for section 10.2 of their chapter Foldable, and check off any that have been handled.</p>
<p>11.2 Check questions and clarify errors. Students review the items listed in the What I Need to Work On for section 11.2 of their chapter Foldable, and check off any that have been handled. Students complete the During column for section 11.2 of the Chapter 11 Self-Assessment.</p>	<p>10.3 Explore the Math Students work in groups of two or three to complete the activity, then share their results with another group.</p> <p>Reflect on Your Findings Students work independently to complete this section.</p>
<p>11.3 Explore the Math Students discuss and work in pairs to complete the activity.</p> <p>Reflect on Your Findings Students work independently to complete this section.</p>	<p>10.3 Examples Use the Examples, Show You Knows, and Key Ideas to teach students more about modelling and solving two-step equations.</p> <p>Communicate the Ideas Students complete #1–3 to show understanding.</p>
<p>11.3 Examples Use the Examples, Show You Knows, and Key Ideas to teach students how to solve one-step equations.</p> <p>Communicate the Ideas Students work in groups, discussing and answering #1–3..</p>	<p>10.3 Practise and Apply Students work on practise questions that are assigned. Typical #4, 6, 8–9, 12–15, Math Link. (Students may need additional time to complete the assignment and Math Link.)</p>
<p>11.3 Practise, Apply, and Extend Students work on assigned questions. Typical #4, 6, 8, 10, 11, 13–18, 20, Math Link. (Students may need additional time to complete the assignment and Math Link.)</p>	<p>10.3 Check questions and clarify errors. Students review the items listed in the What I Need to Work On for section 10.3 of their chapter Foldable, and check off any that have been handled.</p>

<i>MathLinks 7</i>	<i>MathLinks 8</i>
<p>11.3 Check questions and clarify errors. Students review the items listed in the What I Need to Work On for section 11.3 of their chapter Foldable, and check off any that have been handled. Students complete the During column for section 11.3 of the Chapter 11 Self-Assessment.</p>	<p>10.4 Explore the Math Students work in pairs to role play solving equations in order to complete the activity. Reflect on Your Findings Students work independently to complete this section.</p>
<p>11.4 Explore the Math Students may work in groups of three to model the problems to complete the activity. Reflect on Your Findings Students work independently to complete this section.</p>	<p>10.4 Examples Model and have students solve equations using algebra tiles. Use the Examples, Show You Knows, and Key Ideas to teach students the final section on modelling and solving two-step equations. Communicate the Ideas Students complete #1 – 3 to show understanding, then discuss their answers once completed.</p>
<p>11.4 Examples Use the Show You Knows, Key Ideas, and model the examples to teach students how to solve two-step equations. Communicate the Ideas Students work in groups to complete #1, and 2 or 3.</p>	<p>10.4 Practise and Apply Students work on practise questions that are assigned. Typical #4, 6, 8, 10–13, Math Link (Students need to research jobs to complete the Math Link.)</p>
<p>11.4 Practise, Apply, and Extend Students work on assigned questions. Typical #4, 6, 7, 9–11, 14–19, Math Link. (Students may need additional time to complete the assigned questions and Math Link.)</p>	<p>10.4 Check questions and clarify errors. Students review the items listed in the What I Need to Work On for section 10.4 of their chapter Foldable, and check off any that have been handled.</p>
<p>11.4 Check questions and clarify errors. Students review the items listed in the What I Need to Work On for section 11.4 of their chapter Foldable, and check off any that have been handled. Students complete the During column for section 11.4 of the Chapter 11 Self-Assessment.</p>	<p>Chapter 10 Review Students complete the chapter review questions as assigned. Students check the contents of the What I Need to Work On sections of their chapter Foldable and do at least one question related to each listed item.</p>

<i>MathLinks 7</i>	<i>MathLinks 8</i>
<p>Chapter 11 Chapter Review Students complete the chapter review questions as assigned. Students check the contents of the What I Need to Work On sections of their chapter Foldable and do at least one question related to each listed item. Students complete the After column of the Chapter 11 Self-Assessment.</p>	<p>Chapter 10 Challenge in Real Life This challenge provides students with additional experience with ratio, rates, tessellations, and probability. The challenge will take more than one class period.</p>
<p>Chapter 11 Math Games and Challenge in Real Life Students play the math game, and then begin working on the Challenge in Real Life. The challenge will take more than part of a class period.</p>	<p>Chapter 10 Challenge and Wrap It Up! Students finish working on their challenge and then begin the Wrap It Up! activity. The Wrap It Up! will take more than part of a class period.</p>
<p>Chapter 11 Challenge in Real Life Students finish working on their challenge.</p>	<p>Chapter 10 Wrap It Up! Students finish working on the Wrap It Up! activity.</p>
<p>Chapter 11 Wrap It Up! Students work in small groups to complete the activity.</p>	<p>Chapter 10 Test</p>
<p>Chapter 11 Test</p>	<p>Chapter 12 Alternative Challenge Students at this level often need additional experience with integers and linear relations. Have students do the alternative Challenge in Real Life for Chapter 12, which is on the Online Learning Centre.</p>
<p>Chapters 1-12 Review There are two exams available on the Online Learning Centre. Select one exam to use as a cumulative review for the students.</p>	<p>Chapters 9-12 Review Students complete at least one question for each concept, skill, or process. Minimum #3–5, 7, 8 or 9, 10–12, 13 or 14, 15–17. Students check the contents of the What I Need to Work On sections in each of their chapter Foldables and do at least one question related to each listed item.</p>
<p>MathLinks 7 Exam Go to the Online Learning Centre and select the other exam that is available, to use for the student's final exam.</p>	<p>MathLinks 8 Exam The exams are on the Online Learning Centre. You may choose which to use for the student's final exam.</p>
<p>Chapter 12 Task Students work on the task on page 461.</p>	<p>Chapter 12 Task Students work on the task on page 475.</p>