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	MathLinks 7	MathLinks 8
#1 In this first series of	Chapter 12 Working with	Chapter 1 Representing
chapters, students begin	Data (5 sections)	Data (3 sections)
with data. Then, they work	Chapter 2 Operations on	Chapter 2 Ratios, Rates, and
on different topics.	Decimal Numbers (4	Proportional Reasoning (3
	sections)	sections)
	Chapter 3 Geometry and	Chapter 3 Pythagorean
	Measurement (5 sections)	Relationship (5 sections)
	14 sections	Chapter 5 Surface Area (4
		sections)
		15 sections
#2 Students work with	Chapter 4 Fractions,	Chapter 4 Understanding
fractions, decimals, and	Decimals, and Percents (3	Percent (4 sections)
percents.	sections)	Chapter 6 Fraction
	Chapter 6 Introduction to	Operations (6 sections)
	Fraction Operations (3	10 sections
	sections)	
	Chapter 7 Add and Subtract	
	Fractions (4 sections)	
	10 sections	
#3 Students begin with	Chapter 5 Probability (5	Chapter 11 Probability (3
probability. Then, they	sections)	sections)
work on geometry.	Chapter 8 Circles (5	Chapter 7 Volume (4
	sections)	sections)
	10 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	Chapter 1 Coordinates and	Chapter 12 Tessellations (4
highly visual chapter.	Design (4 sections)	sections)
	4 sections	4 sections
#6 Students work on	Chapter 10 Patterns and	Chapter 9 Linear Relations
algebra.	Expressions (4 sections)	(3 sections)
	Chapter 11 Solving	Chapter 10 Solving Linear
	Equations (4 sections)	Equations (4 sections)
	8 sections	7 sections

Section #1	2
Section #2	
Section #3	
Section #4	
Section #5	
Section #6	

Section #1

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

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

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

MathLinks 7	MathLinks 8
 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.) 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- 	MathLinks 81.3 ExamplesUse 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 IdeasStudents complete #1 and 3. They may exchange their response with a classmate, get feedback, and revise their response.1.3 Practise and ApplyStudents work on assigned questions. Typical #4–6, 7–10, Math Link
Assessment. 12.4 Explore the Math Students work in pairs to complete the activity. Reflect on Your Findings Students work independently to complete this section.	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.
 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. 	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.
12.4 Practise Students work on assigned questions. Typical #3, 5–7, Math Link	Chapter 1 Wrap It Up!

MathLinks 7	MathLinks 8
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.	 Chapter 1 Assessment of Learning Students complete one of the following: Chapter 1 Test Chapter 1 Challenge in Real Life
 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. 	MathLinks 8 Chapter 2 Ratios, Rates, and Proportional Reasoning Chapter OpenerRead and discuss the chapter opener.FoldableStudents make the chapter Foldable.Math LinkRead and discuss the Math Linkintroduction as a class, and then have students work in pairs to complete the questions.
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.	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.
12.5 Practise and Apply Students work on assigned questions. Typical #3, 4, 6, 8–10, Math Link	 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.

MathLinks 7	MathLinks 8
12.5	2.1 Practise and Apply
Check questions and clarify errors. Have	Students work on assigned questions.
students correct their work and possibly do	Typical #5, 6, 9, 11–19, Math Link
follow-up questions if needed.	
Students complete the During column for	
section 12.5 of Chapter 12 Self-	
Assessment.	
Chapter 12 Review	2.1 Math Link
Students complete chapter review	Students create a logo for their invitation.
questions as assigned.	(Students may need additional time to
Students complete the After column of	complete the assignment.)
Chapter 12 Self-Assessment.	
Chapter 12 Wrap It Up!	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.
Chapter 12 Math Games	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.
Chapter 12 Challenge in Real Life	2.2 Examples
Chapter 12 Chancinge in Kear Ene	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.
Chapter 12 Practice Test	2.2 Practise, Apply, and Extend
Since the Wrap It Up!, Math Games, and	Students work on assigned questions.
Challenge in Real Life provide additional	Typical #4, 6, 7, 8, 10–16, Math Link
reinforcement of chapter content, students	
may complete these activities before doing	
the Chapter 12 Practice Test and Chapter	
12 Test.	

MathLinks 7	MathLinks 8
Chapter 12 Test	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.
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.	 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: 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.
Self-AssessmentStudents complete the Before column of Chapter 2 Self-Assessment.2.1 Discuss the MathStudents work individually or in pairs to discuss and complete the questions.Reflect on Your Findings Students work independently to complete this section.	Inits section. 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.

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

MathLinks 7	MathLinks 8
2.2 Examples	Chapter 2 Assessment of Learning
You may wish to use base 10 blocks with	Students complete one of the following:
hundred grids along with the Examples,	Chapter 2 Test
Show You Knows, and Key Ideas to teach	Chapter 2 Challenge in Real Life
multiplying decimal numbers. Students	
record their own Key Ideas and examples	
in their chapter Foldable.	
Communicate the Ideas	
Students complete #1 and 2.	
2.2 Practise, Apply, and Extend	MathLinks 8 Chapter 3 Pythagorean
Students work on assigned questions.	Relationship
Typical #3, 5, 7, 10, 11, 13, 15, 18, 21,	Chapter Opener
Math Link	Students read and discuss the chapter
	opener.
	Foldable
	Students make the chapter Foldable using
	grid paper.
	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.
	3.1 Explore the Math
Check questions and clarify errors. Have	Students work in small groups to complete
students correct their work and possibly do	the activity. They need square tiles.
follow-up questions if needed.	Reflect on Your Findings
Students complete the During column of	Students work independently to complete
section 2.2 of Chapter 2 Self-Assessment.	this section.
2.3 Explore the Math	3.1 Examples
Students work individually to complete the	Use the Examples, Show You Knows, and
activity, and then discuss their answers	Key Ideas to teach squares and square
with a partner. They need base ten blocks	roots. Students record their own Key
or hundred grids.	Words, examples, and Key Ideas in their chapter Foldable.
Reflect on Your Findings Students work independently to complete	Communicate the Ideas
this section.	Students complete #1 to 4 individually or
(Students may be done prior to the end of	in pairs.
the class period. If they are, you may wish	in pans.
to have them start Math Game #1 on page	
78.)	
/0.)	

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

MathLinks 7	MathLinks 8
2.4 Practise and Apply	3.2
Students work on assigned questions.	Check questions and Apply #12, and
Typical #4, 6, 9, 13, 15–17, 21	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.
2.4	3.3 Explore the Math
Check questions and clarify errors. Have	Students work individually or in pairs to
students correct their work and possibly do	complete the activity.
follow-up questions if needed.	Reflect on Your Findings
Students complete the During column of	Students work independently to complete
section 2.4 of Chapter 2 Self-Assessment.	this section.
Chapter 2 Review	3.3 Examples
Students complete chapter review	Use the Examples, Show You Knows, and
questions as assigned.	Key Ideas to teach estimating square roots.
Students complete the After column of	Students record their own Key Ideas and
Chapter 2 Self-Assessment.	examples in their chapter Foldable.
	Communicate the Ideas
	Students complete #1 to 3 independently.
Chapter 2 Wrap It Up!	3.3 Practise and Apply
	Students work on assigned questions.
	Typical #4–7, 9–11, 13–16, Math Link
Chapter 2 Math Games	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
Chanton 2 Practice Test	that have been handled.
Chapter 2 Practice Test	3.4 Explore the Math
	Students work in pairs or small groups to discuss and brainstorm strategies. Provide
	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.

MathLinks 7	MathLinks 8
Chapter 2 Assessment of Learning	3.4 Examples
Students complete one of the following:	Use the Examples, Show You Knows, and
Chapter 2 Test	Key Ideas to teach how to use the
Chapter 2 Challenge in Real Life	Pythagorean relationship. Students record
	their own Key Ideas and examples in their
	chapter Foldable.
	Communicate the Ideas
	Students complete #1 and 2 independently.
MathLinks 7 Chapter 3 Geometry and	3.4 Practise and Apply
Measurement	Students work on assigned questions.
Chapter Opener	Typical #3, 5, 6, 9–14, Math Link
Students read and discuss the chapter	
opener.	
Foldable	
Students make the chapter Foldable.	
Self-Assessment	
Students complete the Before column of	
Chapter 3 Self-Assessment.	
Math Link	
Students read the Math Link introduction.	
3.1 Explore the Math	3.4
Students work individually or in pairs to	Check questions and Apply # 9 and 10, and
complete the activity, and then compare	clarify errors. Have students correct their
their answers in a small group. They need a	work and possibly do follow-up questions
protractor.	if needed.
Reflect on Your Findings	Students review the items listed in the
Students work independently to complete	What I Need to Work On for section 3.4 of
this section.	their chapter Foldable, and check off any
2 1 Examples	that have been handled.
3.1 Examples	3.5 Explore the Math
Use protractors and rulers with the Examples Show You Know, and Key	Students work in pairs to discuss their ideas, and then share with another pair
Examples, Show You Know, and Key	ideas, and then share with another pair. Guide students who would benefit Provide
Ideas to teach parallel and perpendicular line segments. Students record their own	
-	coaching prompts to students who would benefit.
Key Words, examples, and Key Ideas in their chapter Foldable.	Reflect on Your Findings
Communicate the Ideas	Students work independently to complete
Students complete #1 or 2, 3, and 4.	this section.
Consider having students discuss their	
answers as a class.	
anowers as a class.	

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

MathLinks 7	MathLinks 8
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	 Chapter 3 Assessment of Learning Students complete one of the following: Chapter 3 Test Chapter 3 Challenge in Real Life
 section 3.2 of Chapter 3 Self-Assessment. 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.	MathLinks 8 Chapter 5 Surface AreaChapter OpenerStudents read and discuss the chapteropener.FoldableStudents make the chapter Foldable.Math LinkStudents work as a class to create the
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,	 essentials for their miniature community, and then complete the questions. 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.
and then share their answers as a class. 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.)	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.
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.	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

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

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

MathLinks 7	MathLinks 8
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	Chapter 5 Wrap It Up!
Students start the Task on page 155.	
Task	Chapter 5 Assessment of Learning
Students complete the Task on page 155.	Students complete one of the following:
	Chapter 5 Test
	Chapter 5 Challenge in Real Life

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

 4.1 Practise, Apply, and Extend Students may need additional time to complete the assigned questions from previous class.) Art Link Students work independently to create a personal logo. 4.1 Check questions and clarify errors. Have students correct their work and possibly do follow-up questions if needed. 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. 4.2 Examples Students work independently to complete this section. 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 work on assigned questions. Typical #1 and 4, and #2 or 3. 4.2 Practise and Apply Students work on assigned questions. Typical #5, 7, 8, 10, 12, 14, 16–19, Math thick 4.2 Check questions and clarify errors. Have students correct their work and possibly do follow-up questions if needed. Students work on assigned questions. Typical #4, 6, 9–15, Math Link 4.2 Explore the Math Students work independently to complete the activity. Reflect on Your Findings Students work independently to complete this section. 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 work on assigned questions. Typical #	MathLinks 7	MathLinks 8
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their chapter Foldable, and check off any	section 4.2 of Unapter 4 Self-Assessment.	
-		
that have been handled.		that have been handled.

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

MathLinks 7	MathLinks 8
Chapter 4 Wrap It Up!	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.
	Communicate the Ideas
	Students complete #1 to 3 independently,
	and then share their answers for #3 as a
	class.
Chapter 4 Math Games	4.4 Practise and Apply
	Students work on assigned questions.
	Typical #4, 6, 8–12, Math Link
Chapter 4 Practice Test	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.
Chapter 4 Challenge in Real Life	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.
Chapter 4 Test	Chapter 4 Math Games
	Students play the math game.

MathLinks 7	MathLinks 8
Math Links 7 Chapter 6 Introduction to	Chapter 4 Wrap It Up!
Fraction Operations	
Chapter Opener	
Students read and discuss the chapter	
opener.	
Foldable	
Students make the chapter Foldable.	
Math Link	
Students read the Math Link introduction.	
Self-Assessment	
Students complete the Before column of	
the Chapter 6 Self-Assessment.	
6.1 Explore the Math	Chapter 4 Practice Test
Students create a Foldable for divisibility	
rules. Students work through Parts #1 to 4.	
Some parts may be difficult and require	
guidance.	
Reflect on Your Findings	
Students work independently to complete	
each section for each part.	
6.1 Examples	Chapter 4 Assessment of Learning
Use Examples, Show You Knows, and Key	Students complete one of the following:
Ideas to teach divisibility.	Chapter 4 Test
Communicate the Ideas	Chapter 4 Challenge in Real Life
Students complete #1a) or b), and 2 to 4 to	
show understanding.	
6.1 Practise and Apply	Chapters 1-4 Review
Students work on assigned questions.	Students complete at least one question for
Typical #5, 7, 9, 11, 13, 15, 17–21, 23,	each concept, skill, or process.
Math Link.	Minimum #1, 2, 4–6, 8, 10, 12–20, 22, 24,
Students may need additional time to	25.
complete the assigned questions and Math	Students check the contents of the What I
Link.	Need to Work On sections in each of their
	chapter Foldables and do at least one
	question related to each listed item.

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

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

MathLinks 7	MathLinks 8
Chapter 6 Wrap It Up!	6.3 Examples
	Use the Examples, Show You Knows, and
	Key Ideas to teach students how to
	multiply proper fractions.
	Communicate the Ideas
	Students complete #1 and 2 individually to
	show their understanding, and then share
	their answers with a partner.
Chapter 6 Challenge in Real Life	6.3 Practise and Apply
Students choose one of the following:	Students work assigned questions.
Green Mathematics	Typical #3, 5, 7–11, Math Link. See the
Math Mosaics	Teacher's Guide for the Essential, and
	Extension/Enrichment assignments.
Chapter 6 Test	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.
Math Links 7 Chapter 7 Add and	6.4 Explore the Math
Subtract Fractions	Students work in pairs to complete the
Chapter Opener	activity.
Students read and discuss the chapter	You may choose to provide challenging
opener.	questions to some students. As well, as
Foldable	encourage others.
Students make the chapter Foldable.	Reflect on Your Findings
Self-Assessment	Students work independently to complete
Students complete the Before column of	this section.
the Chapter 7 Self-Assessment.	
Math Link	
Students read the Math Link introduction	
and think about the question posed.	
7.1 Explore the Math	6.4 Examples
Students work individually or in pairs to	Use the Examples, Show You Knows, and
complete the activity.	Key Ideas to teach students how to
Reflect on Your Findings	multiply improper fractions and mixed
Students work independently to complete	numbers.
this section.	Communicate the Ideas
	Students complete #1–3 individually to
	show their understanding, and then share
	their answers with a partner.

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

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

MathLinks 7	MathLinks 8
7.4 Practise, Apply, and Extend	Chapter 6 Math Games
Students work on assigned questions.	Students play the math game.
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.	
7.4	Chapter 6 Practice Test
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.	
Chapter 7 Review	Chapter 6 Wrap It Up!
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.	
Chapter 7 Assessment of Learning	Chapter 6 Challenge in Real Life
Students complete one of the following:	_ ~
Chapter 7 Test	
Chapter 7 Challenge in Real Life	
Chapter 7 Wrap It Up!	Chapter 6 Test
	Allow students time to finish the Challenge
	in Real Life after the test has been
	completed.

MathLinks 7	MathLinks 8	
0 // //0		
Section #3		
In this third series of chapters, students begin	In this third series of chapters, students begin with probability. Then, they work on	
geometry.		
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.	I	
Math Link	Literacy Link	
Students read over and discuss probability	Students use the concept map on page 407	
in familiar games.	to organize their understanding of	
Self-Assessment	probability.	
Students complete Before column of the		
Chapter 5 Self-Assessment.		
5.1 Discuss the Math	Math Link	
Students work in pairs, then discuss as a	Students complete the Math Link	
class to complete the activity.	introduction questions. They may work in	
Reflect on Your Findings	pairs, and then discuss their results as a	
Students work in pairs to complete this	class.	
section.		
5.1 Examples	11.1 Explore the Math	
Use the Examples, Show You Knows, and	Students work in pairs or small groups to	
Key Ideas to teach probability.	complete the activity. You may wish to	
Communicate the Ideas	have students create the spinner.	
Students complete #1 and 2 individually or	You may choose to provide guiding	
as a class to show understanding.	questions as they complete the activity.	
	Reflect on Your Findings	
	Students work independently to complete	
54 D (1) LA 1	this section.	
5.1 Practise and Apply	11.1 Examples	
Students work on assigned questions.	Use the Examples, Show You Knows, and	
Typical #3 or 4, 5 or 6, 7, 8 or 9, 10, Math	Key Ideas to teach students how to	
Link.	determine probabilities using tree diagrams	
	and tables.	
	Communicate the Ideas	
	Students complete #1 individually or	
	discuss with a partner.	

MathLinks 7	MathLinks 8
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.	11.1 Practise and Apply Students work on assigned questions. Typical #3, 5, 7–10, Math Link.
 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. 	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.
 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. 	 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.
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.	 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.
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.	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.)

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

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

MathLinks 7	MathLinks 8
5.5	Chapter 11 Test
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.	
Chapter 5 Review	Math Links 8 Chapter 7 Volume
Students complete the chapter review	Chapter Opener
questions as assigned.	Students read and discuss the chapter
Students check the contents of the What I	opener.
Need to Work On sections of their chapter	Foldable
Foldable and do at least one question	Students make the chapter Foldable.
related to each listed item.	Literacy Link
Students complete the After column of the	Students use the Verbal Visual Chart
Chapter 5 Self-Assessment.	(VVC) to organize what they learn about
Chapter 5 Math Games	volume.
Students play the math game.	
Chapter 5 Assessment of Learning	Math Link
Students complete one of the following:	Students work in small groups to complete
Chapter 5 Test	the Math Link introduction questions.
Chapter 5 Challenge in Real Life	
Chapter 5 Wrap It Up!	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.

MathLinks 7	MathLinks 8
Math Links 7 Chapter 8 Circles	7.1 Examples
Chapter Opener	Use the Examples, Show You Knows and
Students read and discuss the chapter	Key Ideas to teach students how to
opener.	understand volume.
Foldable	Communicate the Ideas
Students make the chapter Foldable.	Students complete #1 individually, then
Math Link	complete #2 with a partner.
Students read over and discuss circles in	
familiar objects such as drums.	
Self-Assessment	
Students complete the Before column of	
the Chapter 8 Self-Assessment.	7.1 Prostice and Apply
8.1 Explore the Math Students can work independently, in pairs,	7.1 Practise and Apply Students work on assigned questions.
or in small groups to work through the two	Typical #1, 2, 3a), b), 4a), b), 5, 7–13,
examples.	Math Link. $(2, 3a), (0), (4a), (0), (5, 7-13)$
examples.	Students may need additional time to
	complete the assigned questions and Math
	Link.
8.1 Examples	7.1
Use the Examples, Show You Know, and	Check the practise questions and clarify
Key Ideas to teach students how to	any errors.
construct circles.	Students review the items listed in the
Communicate the Ideas	What I Need to Work On for section 7.1 of
All students complete #1 individually to	their chapter Foldable, and check off any
show understanding.	that have been handled.
8.1 Practise, Apply, and Extend	7.2 Explore the Math
Students work on assigned questions.	Students work in pairs to complete the
Typical #2–12, Math Link.	activity.
	Reflect on Your Findings
	Students work independently to complete this section, and then discuss their formulas
	as a class.
8.1	7.2 Examples
Check questions and clarify errors.	Use the Examples, Show You Knows and
Students review the items listed in the	Key Ideas to teach the volume of a prism.
What I Need to Work On for section 8.1 of	Communicate the Ideas
their chapter Foldable, and check off any	Students complete #1–3 individually to
that have been handled.	show understanding. Then, they discuss the
Students complete the During column for	answers in small groups before presenting
section 8.1 of the Chapter 8 Self-	shared understanding to the class.
Assessment.	

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

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

MathLinks 7	MathLinks 8
8.4	Chapter 7 Math Games
Check questions and clarify errors.	Students play the math game either in pairs
Students review the items listed in the	or small groups.
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.	
8.5 Explore the Math	Chapter 7 Wrap It Up!
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.	
8.5 Examples	Chapter 7 Practice Test
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.	
8.5 Practise and Apply	Chapter 7 Challenge
Students work on assigned questions.	This challenge will take two classes.
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.	Charter 7 Chall
8.5	Chapter 7 Challenge
Check questions and clarify errors.	Students finish working on the challenge.
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.	

MathLinks 7	MathLinks 8
Chapter 8 Review	Chapter 7 Alternative Challenge
Students complete the chapter review	The challenges for Chapters 5 and 7
questions as assigned.	provide good hands-on experience for
Students check the contents of the What I	students and will motivate students who
Need to Work On sections of their chapter	may not usually do well in math class.
Foldable and do at least one question	Have students either do the alternative
related to each listed item.	Challenge in Real Life for Chapter 7,
Students complete the After column for the	which is on the Online Learning Centre, or
Chapter 8 Self-Assessment.	have them do the alternative Challenge in
Chapter 8 Math Games	Real Life for Chapter 5. You may wish to
Students play the game with a partner.	have some students work on the Chapter 7
	alternative challenge while others work on
	the Chapter 5 alternative challenge.
Chapter 8 Assessment of Learning	Chapter 7 Alternative Challenge
Students complete one of the following:	The alternative challenges will take two
Chapter 8 Test	classes.
Chapter 8 Challenge in Real Life	
Chapter 8 Wrap It Up!	Chapter 7 Test
Students need to research drum designs.	
Chapters 5-8 Review	Chapters 1–4 Task
Students complete at least one question for	While grade 7 students are working on the
each concept, skill, or process.	cumulative review for Chapters 5–8, have
Minimum #1, 2, 4–7, 9–11, 13, 16, and 17.	grade 8 students also review past work by
Students check the contents of the What I	doing the Task on page 155. If they need a
Need to Work On sections in each of their	second period on this task, you may wish to
chapter Foldables and do at least one	have grade 7 students consolidate their
question related to each listed item.	learning further by doing the Task on page
	307 of MathLinks 7.
Chapters 5–8 Task	Chapters 1–4 Task (continued)
Have students complete the Task on page	If students need a second period on this
307.	task, you may wish to have grade 7
	students consolidate their learning further
	by doing the Task on page 307 of
	MathLinks 7.

MathLinks 7	MathLinks 8
Section #4	
	de on integrar
In this fourth series of chapters, students wor Math Links 7 Chapter 9 Add and	Math Links 8 Chapter 8 Integers
Subtract Integers	Main Links o Chapter o Integers
Both grades read and discuss their respective	chapter opener and make the chapter
Foldable.	enapter opener and mane the enapter
Self-Assessment	Literacy Link
Students complete the Before column of the Chapter 9 Self-Assessment. Math Link Students read over and consider the questions in the Math 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. Math Link Students work as a class to discuss and answer the questions. 8.1 Explore the Math Students work in pairs to complete the activity. Students will need integer chips or other suitable manipulative.
0.1 Explore the Moth	Reflect on Your Findings Students work independently to complete this section.
 9.1 Explore the Math Students can work with a partner to complete the activity. (Students need integer chips or circles to colour.) Reflect on Your Findings Students work independently to complete this section. 	 8.1 Examples Use the Examples, Show You Knows, and Key Ideas to teach exploring integer multiplication. Communicate the Ideas Students complete #1, 2, and 4 in groups and discuss their answers.
 9.1 Examples Use the Examples, Show You Know, and Key Ideas to teach exploring integer addition. Communicate the Ideas Students complete #1–3 individually to show understanding, and then discuss their answers with a partner. 	8.1 Practise and Apply Students work on assigned questions. Typical #4, 5, 7, 9, 14–18.
9.1 Practise and Apply Students work on assigned questions. Typical #5, 7, 9, 11–16.	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.

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

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

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

MathLinks 7	MathLinks 8
9.5	Chapter 8 Review
Check questions and clarify errors.	Students complete the chapter review
Students review the items listed in the	questions as assigned.
What I Need to Work On for section 9.5 of	Students check the contents of the What I
their chapter Foldable, and check off any	Need to Work On sections of their chapter
that have been handled.	Foldable and do at least one question
Students complete the During column for	related to each listed item.
section 9.5 of the Chapter 9 Self-	
Assessment.	
Chapter 0 Deview	Chanton & Math Cames
Chapter 9 Review Students complete the chapter review	Chapter 8 Math Games Students may play the game in pairs or
questions as assigned.	students may play the game in pairs of small groups.
Students check the contents of the What I	sman groups.
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.	
Chapter 9 Assessment of Learning	Chapter 8 Assessment of Learning
Students complete one of the following:	Students complete one of the following:
• Chapter 9 Test	• Chapter 8 Test
Chapter 9 Challenge in Real Life	Chapter 8 Challenge in Real Life
Chapter 9 Wrap It Up!	Chapter 8 Wrap It Up!
	Students may work in pairs or small
	groups.
Chapter 9 Math Games	Chapters 5-8 Review
Students play the game in pairs or in a	Students complete at least one question for
group.	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.

MathLinks 7	MathLinks 8	
Section #5		
In this fifth series of chapters, students work	on a highly visual chapter.	
Both grades read and discuss their respective	chapter opener and make the chapter	
Foldable.	Mrth Links 9 Charton 12 Taggallations	
<i>Math Links 7</i> Chapter 1 Coordinates and Design	Math Links 8 Chapter 12 Tessellations	
Math Link	Literacy Link	
Students read over and consider the	Students complete the Frayer model for the	
question in the Math Link.	term <i>tessellation</i> on page 443. At the end of	
Self-Assessment	the section, students may revisit their	
Students complete the Before column of	model.	
the Chapter 1 Self-Assessment.	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.) 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.)	
	Reflect on Your Findings	
	Students work independently to complete	
	this section.	
1.1 Explore the Math	12.1 Examples	
Students create a Foldable with a	Use the Example, Show You Know, and	
coordinate grid inside. (It would be helpful	Key Ideas to teach students how to explore	
to have one made ahead of time.)	tessellations with regular and irregular	
Reflect on Your Findings	polygons.	
Students work independently to complete this section.	Communicate the Ideas	
this section.	Students complete #1 and 2 in groups and discuss their answers.	
1.1 Examples	12.1 Practise and Apply	
Use the Examples, Show You Knows, and	Students work on assigned questions.	
Key Ideas to teach students about the	Typical #1, 2, 4, 6, 8–10, Math Link.	
Cartesian Plane.	Students may need additional time to	
Communicate the Ideas	complete the assigned questions and Math	
Students complete #1a) and b), and one of	Link.	
2, 3, or 4 individually to show		
understanding.		

MathLinks 7	MathLinks 8
1.1 Practise and Apply	12.1
Students work on assigned questions.	Check questions and clarify errors.
Typical #5, 7, 9, 11, 12, 14, 16, Math Link.	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.
1.1	12.2 Explore the Math
Check questions and clarify errors.	Students work in pairs or small groups to
Students review the items listed in the	complete the activity. (Students need
What I Need to Work On for section 1.1 of	pattern blocks or cardboard cut outs for this
their chapter Foldable, and check off any	activity.)
that have been handled.	Reflect on Your Findings
Students complete the During column for	Students work independently to complete
section 1.1 of the Chapter 1 Self-	this section.
Assessment.	10.0 5
1.2 Explore the Math	12.2 Examples
Students work individually to complete the	Use the Example, Show You Know, and
design, and then have a classmate check their work.	Key Ideas to teach how to construct
	tessellations using translations and reflections.
Reflect on Your Findings Students work independently to complete	Communicate the Ideas
this section.	Students complete #1 and 2 in groups and
	discuss their answers.
1.2 Examples	12.2 Practise and Apply
Use the Examples, Show You Knows, and	Students work on assigned questions.
Key Ideas (Foldable) to teach creating	Typical $\#1-4$, 6–8, Math Link.
designs.	Students may need additional time to
Communicate the Ideas	complete the assigned questions and Math
Students complete #1 individually to show	Link.
understanding, then complete 2 as a class.	
1.2 Practise, Apply, and Extend	12.2
Students work on assigned questions that	Check questions and clarify errors.
are assigned.	Students review the items listed in the
Typical #3, 5, 7, 8, 10, 11, Math Link.	What I Need to Work On for section 12.2
	of their chapter Foldable, and check off any
	that have been handled.

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

MathLinks 7	MathLinks 8
 1.4 Explore the Math Students complete the activity. Reflect on Your Findings Students work independently to complete this section. (Students may share their examples with the class.) 1.4 Examples Use the Examples, Show You Knows, and Key Ideas to teach horizontal and vertical distances. Communicate the Ideas 	 12.4 Examples Use the Example, Show You Know, and Key Ideas to teach how to create Escher- style tessellations. Communicate the Ideas Students complete #1 and 3 in groups and discuss their answers. 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
 Students complete #1 and 2 in pairs to show understanding. Students may discuss #1c) and 2 as a class. 1.4 Practise, Apply, and Extend Students work on assigned questions. Typical #3, 6 – 9, 11. 	 complete the assignment and Math Link.) 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.
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.	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.
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.	Chapter 12 Math Games Students play the math game.

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

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

MathLinks 7	MathLinks 8
10.2 Explore the Math	9.1
Students work in pairs to complete the	Check questions and clarify errors.
activity.	Students review the items listed in the
Reflect on Your Findings	What I Need to Work On for section 9.1 of
Students work independently to complete	their chapter Foldable, and check off any
this section.	that have been handled.
10.2 Examples	9.2 Explore the Math
Use the Examples, Show You Knows, and	Students work individually, in pairs, or in
Key Ideas to teach variables and	small groups to complete the activity.
expressions. Have students build the	Reflect on Your Findings
pattern in Example 1.	Students discuss this section with a partner,
Communicate the Ideas	or with the class.
Students complete #1–3 to show	
understanding. Students complete #1	
individually, 2 with a partner, and 3 as a	
class discussion.	
10.2 Practise and Apply	9.2 Examples
Students work on assigned questions.	Use the Examples, Show You Knows, and
Typical #4, 6, 8, 9, 11–13, 15, 16, Math	Key Ideas to teach students about patterns
Link.	in a table of values.
(Students may need additional time to	Communicate the Ideas
complete the assignment and Math Link.)	Students work independently to complete
	#1 and in small groups to complete #3 to
	show understanding.
10.2	9.2 Practise and Apply
Check questions and clarify errors.	Students work on assigned questions.
Students review the items listed in the	Typical #1, 3, 4, 6, 8, 10, 12–16, Math
What I Need to Work On for section 10.2	Link
of their chapter Foldable, and check off any	(Students may need additional time to
that have been handled.	complete the assignment and Math Link.)
Students complete the During column for	
section 10.2 of the Chapter 10 Self-	
Assessment.	0.2
10.3 Explore the Math	9.2 Check questions and clarify errors
Students work in small groups to complete the activity.	Check questions and clarify errors. Students review the items listed in the
Reflect on Your Findings	What I Need to Work On for section 9.2 of
Students work independently to complete	their chapter Foldable, and check off any
this section.	that have been handled.

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

MathLinks 7	MathLinks 8
10.4 Practise and Apply	Chapter 9 Math Games
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.)	
10.4	Chapter 9 Challenge in Real Life
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.	
Chapter 10 Review	Chapter 9 Test
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.	
Chapter 10 Challenge in Real Life	Chapter 9 Wrap It Up!
Students complete the activity in groups of	(Students may require Internet access to
three.	research and choose an adventure tour.)
Chapter 10 Test	Math Links 8 Chapter 10 Solving Linear
	Equations
	Chapter Opener
	Read and discuss the chapter opener.
	Foldable
	Students make the chapter Foldable.
Math Links 7 Chapter 11 Solving	Literacy Link
Equations	Students identify what they know and what
Chapter Opener	they want to know about solving linear
Students read and discuss the Chapter	equations by completing the first two
Opener.	columns of the KWL chart on page 367.
Foldable	Math Link
Students make the chapter Foldable.	Students work in pairs to complete the
	questions.

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

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

MathLinks 7	MathLinks 8
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.	 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.
 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. 	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.
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.	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.)
 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.) 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. 	 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. 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.

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