

McGraw-Hill Ryerson

# MathLinks 8

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**McGraw-Hill Ryerson**  
***MathLinks 8 Teacher's Resource***

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## To the Teacher

The McGraw-Hill Ryerson *MathLinks* program has several components.

### Student Resource

The student resource introduces topics in real-world contexts. Each chapter starts with a two-page spread that introduces students to what they will learn in the chapter. This includes a **Literacy Link** that provides tips to help the adolescent learner read and interpret the chapter content.



Each chapter provides a **Foldable™** to help students keep track of what they are learning and need to work on. Each Foldable helps students to organize what they are learning and to self-assess their progress.

This is followed by an introduction to the **Math Link**. The Math Link introduction:

- engages students
- reactivates student learning and reinforces skills holistically
- encourages exploration
- generates discussions
- increases thoughtfulness

Work on the Math Link throughout the chapter promotes depth of understanding through listening, speaking, reading, and writing math, thus enabling student connections and increased conceptual understanding.

In each section, **Explore the Math** activities encourage students to develop their own understanding of new concepts. Worked **examples** present solutions in a clear, step-by-step manner, and then the **Key Ideas** and **Communicate the Ideas** summarize the new principles.

The student resource includes sections that can be used as assessment tools: **chapter review**, **practice test**, **Wrap It Up!**, **Challenge in Real Life**, and **cumulative review**. Technology is integrated throughout the program and includes the use of calculators and the Internet.

### Teacher's Resource

The teaching and assessment suggestions that are provided in this Teacher's Resource include:

- sample responses for the **Explore the Math** questions
- sample responses for the **Communicate the Ideas** questions
- common student errors and suggested remedies
- suggestions for **Assessment as Learning**, **Assessment for Learning**, and **Assessment of Learning**

### Practice and Homework Book

The *MathLinks* Practice and Homework Books provide additional opportunities for students to develop the skills they used in the student resource.

- Each chapter begins with a **Get Ready** that can be used to help reactivate the skills students need to be successful with that chapter.
- The chapter content is divided into sections. Each section starts with a **Key Ideas Review**. This is followed by a series of questions that allow students to **Practise and Apply** the skills and concepts from that section in the student resource.

- The end of each chapter includes a **Link It Together** activity that challenges students to combine the skills and concepts they learned during the chapter to solve problems.
- The final page of each chapter is a **Vocabulary Link** that reviews the **Key Words** and other important words from each chapter in the form of a word puzzle.
- Answers for all questions appear at the end of the Practice and Homework Book.

### Solutions CD-ROM

The solutions CD-ROM provides full worked solutions for all questions in the numbered sections of the student resource, as well as for questions in the **chapter review**, **practice test**, and **cumulative review** features.

### Computer Assessment Bank

A computerized assessment bank CD-ROM contains more than 1200 questions and answers based on the material presented in the student resource, with each of the 12 chapter banks pertaining to the corresponding student chapter. The question types include: True/False, Multiple Choice, Completion, Matching, Short Answer, and Problem. Each question in the CAB is correlated with the appropriate chapter, section, topic, and Curriculum Outcome from the WNCP Mathematics Curriculum.

The design of the computerized assessment bank facilitates the process of building worksheets, tests, or exams that best suit individual classes. You can enter your own questions, edit the questions, and customize the appearance of the worksheet/test/exam you have created in the ExamView® software.

### Online Learning Centre

Additional activities, as well as games and puzzles, are available in McGraw-Hill Ryerson's **Online Learning Centre**. Go to [www.mathlinks8.ca](http://www.mathlinks8.ca) and follow the links to the online **Teacher Centre**. There is also an online **Student Centre** and an online **Parent Centre**.

The first time you enter this site, use the following username and password:

Username: mathlinks08

Password: instructor8

Once you log in, you will be prompted to create your own unique username and password.

We feel confident that these materials will assist you and your students in meeting the outcomes of the new WNCP Math curriculum.

—The Authors, Consultants, and Advisors for *MathLinks 8*

