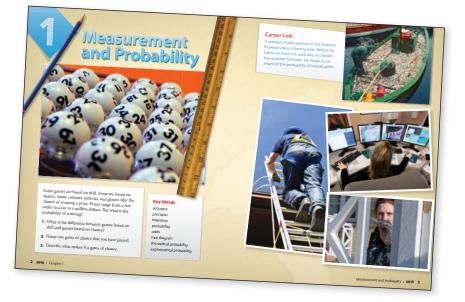
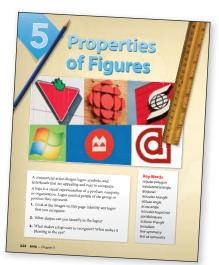
# **A Tour of Your Textbook**

# **Chapter Opener**

Each chapter begins with a two-page spread which introduces you to what you will learn in the chapter.





The first page includes a visual, a list of **Key Words**, and some questions.

- The visual and questions are related to the **Chapter Project**, which is at the end of the chapter.
- The **Key Words** are used throughout the chapter. The first time each Key Word is used, it is highlighted in **blue**. The word is defined in the margin. Sometimes there is a visual.





# **Career Link**

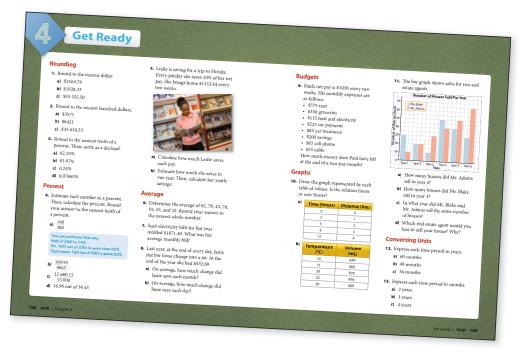
The second page of each chapter opener has a **Career Link** and a series of visuals.

- Check the Career Link for information about interesting jobs related to the math in the chapter.
- The pictures show people doing various types of work that use the math in the chapter.

# **Get Ready**

The Get Ready is next.

- These pages provide a brief review of skills used in the chapter.
- Some of these skills are from previous grades. Others are from previous chapters.
- You will need these skills to be successful with the chapter.



### Sections

Each chapter is divided into sections. Each section starts with an **Explore**.

# Explore

This activity is designed to help you build an understanding of the new concept. The activity is often related to the opening visual and introductory text in the section.

The **Reflect** question at the end

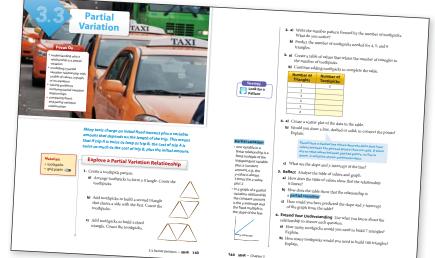
of each Explore helps you explain what you learned from the activity.

There may be one or more **Extend Your Understanding** questions. These often connect the math skill to a way that people use it in their job or in their lives.

# On the Job

One or more **On the Jobs** follow the **Explore**. These demonstrate how to use the concept from the Explore.

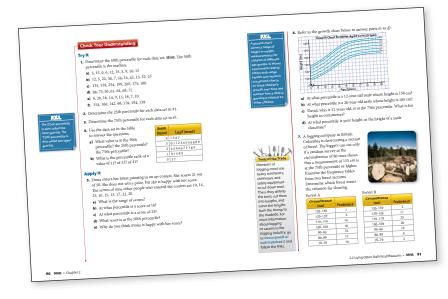
- Each On the Job starts with a problem. These problems come from everyday life or work experiences.
- The **Solution** may show one or more ways to solve the problem. One method may make more sense to you than another. Or, you can develop your own method.



	On the Job 1 Conception of the State of the	Calcular side length a: Calcular side length
Strategy Dave dy Modej	$\begin{array}{c c} target $	A $c = k \ln n$ $c = k \ln n + k \ln $
4 MHR - Chapter 7	25° c=6km	b) Determine side length c to the nearest the high of side a diffuent way? b) use and why? b) Determine side length c to the nearest tenth of a continerre. Which law did you use and why? b) Determine side length c to the nearest tenth of a continerre. Which law did b or continerre. b) Determine side length c to the nearest tenth of a continerre. b) Determine side length c to the nearest tenth of a continerre. b) Determine side length c to the nearest tenth of a continerre. b) Determine side length c to the nearest tenth of a continerre. b) Determine side length c to the nearest tenth of a continerre. b) Determine side length c to the nearest tenth of a continerre. b) Determine side length c to the nearest tenth of a continerre. b) Determine side length c to the nearest tenth of a continerre. b) Determine side length c to the nearest tenth of a continerre. b) Determine side length c to the nearest tenth of a continerre. b) Determine side length c to the nearest tenth of a continerre. b) Determine side length c to the nearest tenth of a continerre. b) Determine side length c to the nearest tenth of a continerre. b) Determine side length c to the nearest tenth of a continerre. b) Determine side length c to the nearest tenth of a continerre. b) Determine side length c to the nearest tenth of a continerre. b) Determine side length c to the nearest tenth of a continerre. b) Determine side length c to the nearest tenth of a continerre. b) Determine side length c to the nearest tenth of a continerre. b) Determine side length c to the nearest tenth of a continerre. b) Determine side length c to the nearest tenth of a continerre. b) Determine side length c to the nearest tenth of a continerre. b) Determine side length c to the nearest tenth of a continerre. b) Determine side length c to the nearest tenth of a continerest tenth of a continerre. b) Determine side length c to the

- Notes in a speech bubble provide tips for solving the problem.
- Calculator key sequences are shown in gray. You may need to check that your calculator uses the same sequence.

The On the Job ends with a **Your Turn**. This gives you an opportunity to show that you understand what you have learned.



# **Check Your Understanding**

**Check Your Understanding** questions follow each **On the Job**.

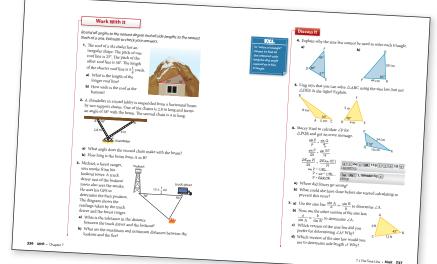
- The first part of this question set includes **Try It** questions. These questions check your knowledge and understanding of the On the Job. Most can be answered by following the example in the On the Job.
- **Apply It** questions include problems from everyday life or the workplace. You need to apply the skills you learned in the On the Job to these situations.

### **Work With It**

The end of each section has **Work With It** questions. To answer these questions, you may need to use knowledge and skills from more than one **On the Job**.

The **Discuss It** questions are communication questions.

- You may wish to discuss the questions with the class, in a group, or with a peer.
- Communicate your thoughts in the way that works best for you. This may be in writing, orally, or visually.



### **Other Features**

### *F.Y.I.*

The F.Y.I. boxes are "for your information."

**F.Y.I.** The average daily high temperature in Mexico City in February and September is 23 °C • These boxes provide additional information about items in the text.

Some provide

background

information.

#### F.Y.I.

The probability of precipitation is based on a combination of • how certain the meteorologist is that precipitation will occur somewhere in the area • how much of the area is expected to receive precipitation

### Web Links

#### Web Link

To find out what the minimum wage is in your province, go to www.mcgrawhill.ca/ books/mathatwork12 and follow the links.

Tools of the Trade

Tools of the Trade Horticultural technician is a

Red Seal trade. Horticultural

technicians use

gardening and power tools to grow,

plants, turf, and

shrubs. They also install and maintain

irrigation systems and construct landscapes.

plant, and maintain various types of

### You can find extra information related to some questions on the Internet. Log on to *www.mcgrawhill.ca/books/ mathatwork12*. You will be able to link to recommended Web sites.

#### Web Link

F.Y.I.

In a regular polygon,

all sides are the

same length and

same measure. A pentagon has five sides. A hexagon has six sides.

all angles have the

Most designers use computers to create 3-D drawings. To practise designing a room, go to www. mcgrawhill.ca/books/ mathatwork12 and follow the links. Some of these **Web Links** lead to interactive games and applets.

• Many of these boxes include visuals which help explain a new word.

# *www.mcgrawhill.ca/books/mathatwork12*. You will be able to link to Web sites that provide

additional information about that trade. Some include videos of people on the job.

Tools of the Trade boxes provide information

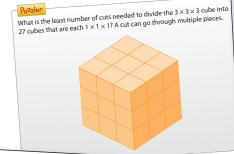
and the tools and equipment used. Go online to

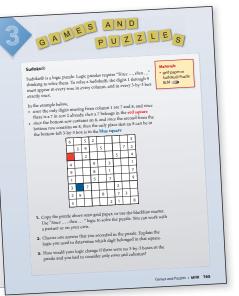
about the type of work involved in a specific career,

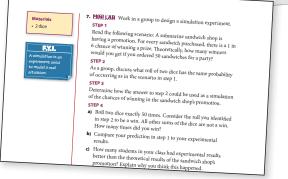
### **Games and Puzzles**

Have some fun! Two features encourage you to play with the math you are learning.

- A **Games and Puzzles** page at the end of each chapter provides entertaining activities that reinforce the skills you are learning.
- **Puzzler** boxes in some chapters are connected to the math in that chapter.







# **Mini Labs**

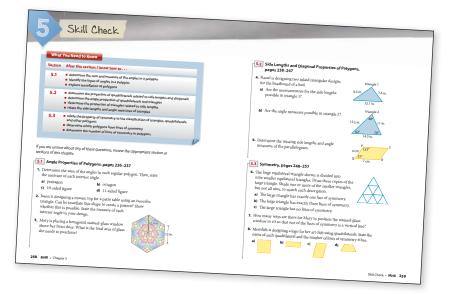
**MINI LAB** Mini Labs in some chapters allow you to experiment with what you are learning.

- These include a **Materials** box in the margin. You need these items in order to do the activity.
- Work with a partner or in a small group. How does the activity help you with the math in the chapter?

# **Skill Check**

There is a **Skill Check** at the end of each chapter. This is a chapter review.

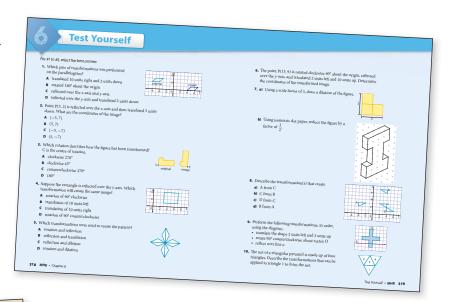
- The Skill Check starts with a What You Need to Know box. This lists the skills covered in the chapter. You can check what section each skill is in.
- The Skill Check is organized by section number. You can look back if you need help with a question.



### **Test Yourself**

The **Test Yourself** at the end of each chapter is a practice test.

- The Test Yourself includes multiple choice and extended response questions.
- It covers similar questions to what you can expect on a chapter test.





### **Chapter Project**

Each **Chapter Project** requires you to use skills from the chapter. You will also need to use your creativity.

### Answers

Answers are provided for the Get Ready, Check Your Understanding, Work With It, Skill Check, and Test Yourself questions. They start on page 366 in the student resource. Sample answers are provided for questions that have several possible answers or that involve communication.

### Glossary

Refer to the illustrated **Glossary** starting on page 416 of the student resource. This provides the exact meaning of mathematical terms.