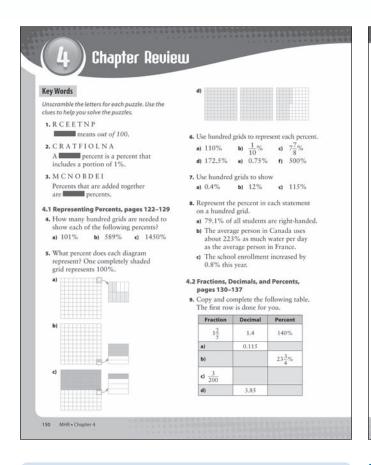
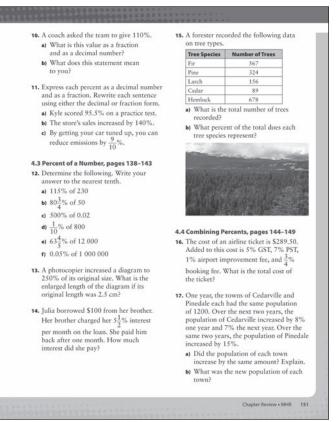
# Chapter Review





## MathLinks 8, pages 150-151

## **Suggested Timing**

40-50 minutes

## Materials

- hundred grids
- · coloured pencils
- ruler
- calculator

## **Blackline Masters**

Master 10 Hundred Grids Master 18 Concept Map

BLM 4-5 Section 4.1 Extra Practice

BLM 4-8 Section 4.2 Extra Practice

BLM 4-10 Section 4.3 Extra Practice

BLM 4-12 Section 4.4 Extra Practice

## **Planning Notes**

Students could work in pairs or small groups to complete the review. Provide them with Master 10 Hundred Grids. Encourage students to use mental math strategies to solve and/or check the reasonableness of answers to problems involving percents. If students encounter difficulties, encourage them to refer to their chapter Foldable, learning logs, and previously completed questions in the related sections of the student resource.

Consider having students make a list of the questions that they found difficult and use the list to help them prepare for the practice test.

**Literacy Link** Have students use **Master 18 Concept Map** to develop a second concept map, without looking at the one they did at the beginning of the chapter, showing what they now know about percents.

## **Meeting Student Needs**

- Allow students to complete the chapter review using a combination of oral descriptions, diagrams, and written answers.
- Encourage students to use their chapter Foldable and to add new notes if they wish.
- Some students may struggle with setting up a ratio. Consider using an example to model a strategy for setting up a ratio such as the following one:

The GST is 5%. How much GST would you pay on an item that costs \$54?

- Express the given information as a ratio in fraction form:  $\frac{5}{100}$
- Express the unknown information in words: sales tax on \$54
- Express the unknown information as a ratio in fraction form:  $\frac{x}{54}$
- Set up the ratio and solve it:  $\frac{5}{100} = \frac{x}{54}$
- Students who require more practice on a particular topic may refer to BLM 4-5 Section 4.1 Extra Practice, BLM 4–8 Section 4.2 Extra Practice, BLM 4-10 Section 4.3 Extra Practice, and BLM 4-12 Section 4.4 Extra Practice.

### ELL

• Have students develop examples of percent, fractional percent, and combined percent, and share them with a partner.

### **Gifted and Enrichment**

 Some students may already be familiar with the skills handled in this review. To provide enrichment and extra challenge, go to www.mathlinks8.ca and follow the links.

## **Common Errors**

- Students may work so quickly through the chapter review or check answers so frequently that they do not observe their errors in procedure or calculation.
- R<sub>x</sub> Encourage students to take time and treat the chapter review as an important measure of their learning and as an opportunity to strengthen their understandings.

Assessment	Supporting Learning
Assessment for Learning	
Chapter 4 Review The Chapter 4 Review is an opportunity for students to assess themselves by completing selected questions in each section and checking their answers against the answers in the back of the student resource.	<ul> <li>Have students check the contents of the What I Need to Work On tab of their chapter Foldable and do at least one question related to each listed item.</li> <li>Have students revisit any section that they are having difficulty with prior to working on the chapter test.</li> </ul>
Literacy Link Have students use Master 18 Concept Map to develop a second concept map, without looking at the one they did at the beginning of the chapter, showing what they now know about percents.	• Have students compare their two concept maps and highlight any items they included in the second concept map that were not in the first. Emphasize the amount of learning this difference represents.