Chapter Review





MathLinks 8, pages 112–113

Suggested Timing

40-50 minutes

Blackline Masters

BLM 3–7 Section 3.1 Extra Practice BLM 3–10 Section 3.2 Extra Practice BLM 3–12 Section 3.3 Extra Practice BLM 3–14 Section 3.4 Extra Practice BLM 3–16 Section 3.5 Extra Practice

Planning Notes

For #1 to #5, students may wish to review the terms in pairs. One student could read the sentences and the other could say the term that belongs in the blank.

Have students work individually or in pairs to complete the remaining questions. If they encounter difficulties, remind them to refer to their Foldable for the chapter, their worked exercises for the section, or the modelled examples in the appropriate section of the student resource.

You may wish to have students record the numbers from 6 to 17 in two columns in their notebook. As they read each question, have students indicate the questions they need a little help with, a lot of help with, or no help with. Students can use this information to identify sections they particularly need to revisit before the practice test.

Meeting Student Needs

- Students who require more practice on a particular topic may refer to BLM 3–6 Section 3.1 Extra Practice, BLM 3–10 Section 3.2 Extra Practice, BLM 3–12 Section 3.3 Extra Practice, BLM 3–14 Section 3.4 Extra Practice, and BLM 3–16 Section 3.5 Extra Practice.
- 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.

ELL

• You may choose to have some students complete fewer word problems, as these learners may find deciphering the language too challenging and time consuming.

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

- For their estimate in #13a), some students may not use perfect square benchmarks.
- **R**_x Remind students that to estimate $\sqrt{10}$ they need to use the number line. Ask them where $\sqrt{10}$ belongs above the number line and then have them estimate what value would go below it on the number line.
- In #14b), some students may substitute the values into the equation for the Pythagorean relationship as though they are determining the missing hypotenuse length of the right triangle.
- $\mathbf{R}_{\mathbf{x}}$ Tell students to review the Key Ideas for section 3.2. Next, have them copy the diagram from #14b) and label each side with the variables and side lengths, along with either *leg* or *hypotenuse* (e.g., hypotenuse w = 15 cm). Then, have them write the equation for the Pythagorean relationship, using the variables from their diagram.

Assessment	Supporting Learning
Assessment for Learning	
Chapter 3 Review The Chapter 3 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.	 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. Have students revisit any section that they are having difficulty with prior to working on the chapter test.