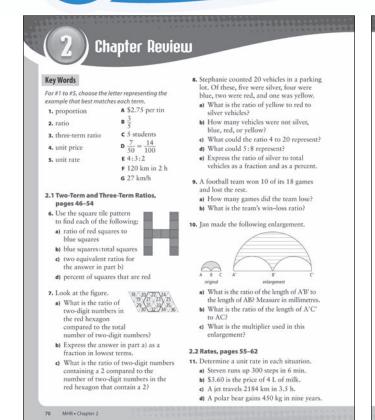
# **Chapter Review**



# MathLinks 8, pages 70-71

### Suggested Timing

40-50 minutes

# **Blackline Masters**

BLM 2–5 Section 2.1 Extra Practice BLM 2-8 Section 2.2 Extra Practice BLM 2-10 Section 2.3 Extra Practice

# Planning Notes

Allow students to work independently. If students encounter difficulties, provide an opportunity for them to discuss strategies with other students. Encourage them to refer to their chapter Foldable 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. They can then use the list to help them prepare for the practice test.

12. Transportation increases the cost of groceries in Northern communities. Use the data about the cost of grocery items in Winnipeg and Little Grand Rapids to

Item	Cost in Winnipeg	Cost in Little Grand Rapids
3 kg bananas	\$4.98	\$13.95
Mini ravioli (720 mL)	\$2.29	\$5.49
Milk (1 L)	\$1.39	\$4.09

a) Give an example of a ratio. b) Give an example of a rate.

c) What is the unit price for bananas in Winnipeg? in Little Grand Rapids? What is the difference in unit price for the two communities?

13. The table compares the typical monthly cost of electricity for several appliances

Appliance	Time On (h)	Monthly Cost (5)
Fridge	240	12.11
Computer and monitor	120	4.26
Television	180	3.46
Treadmill	15	3.99

nearest tenth of a cent. **b)** Which appliance has the lowest rate of electricity consumption?

14. Shelly rode her mountain bike at a rate of 30 km/h for 2.5 h. Josh rode his mountain bike at a rate of 35 km/h for 1 h and then slowed down to 25 km/h for 1.5 h. a) Who travelled farther in 2.5 h?

**b)** What is the difference in the distance travelled by the cyclists?

#### 2.3 Proportional Reasoning, pages 63-69

15. Determine the missing value if each rate is equivalent. Give the unit for each. 64 kg

- a)  $\frac{\blacksquare}{1 \text{ month}} = \frac{64 \text{ kg}}{4 \text{ months}}$
- **b)**  $\frac{\$84}{800 \text{ km}} = \frac{\blacksquare}{100 \text{ km}}$
- c)  $\frac{80 \text{ beats}}{2 \min} = \frac{720 \text{ beats}}{\blacksquare}$
- Use a proportion to solve each question. Use a variable for the unknown quantity. a) Three bars of soap cost \$2.94. What
  - is the cost of eight bars of soap? b) On a map, 1 cm represents 150 km. On the map, how many centimetres represent a distance of 800 km?
- mass of 5 g stretches a rubber band by 17. A 15 mm. If the rubber band stretches at the same rate, find the following
  - a) How much would a mass of 28 g stretch the rubber band? Give your answer to the nearest hundredth of a centimetre. b) What mass would stretch a rubber
- band 32 mm?
- c) What mass would stretch a rubber band 9.9 cm? Give your answer to the nearest tenth of a gram.
- 18. The height of an object compared to the length of its shadow is constant for all objects at any given time. Use this information and a drawing to help answer the following questions.
  - a) If a 20-m tower casts a 12-m shadow, what is the height of a tree with a shadow 3 m long?
  - b) If a 25-m building has a shadow 8 m long, how long is the shadow of a student who is 1.6 m tall? Give your answer to the nearest centimetre

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# **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.
- Students who require more practice on a particular topic may refer to BLM 2-5 Section 2.1 Extra Practice, BLM 2–8 Section 2.2 Extra Practice, and BLM 2-10 Section 2.3 Extra Practice.

# ELL

• Encourage students to work with a partner and practise the Key Words using flash cards.

# **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.

Assessment	Supporting Learning
Assessment for Learning	
Chapter 2 Review The Chapter 2 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 section 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>