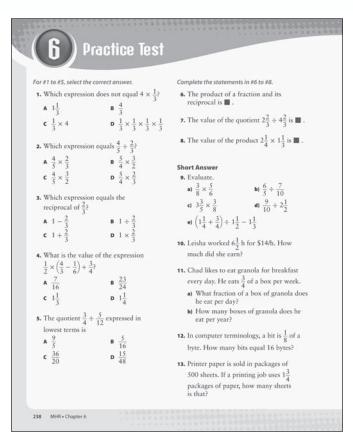
Practice Test (6)



Extended Response	c) How	many times the number of
14. Lianne is saving to buy a DVD playe		sels that always turn clockwise
costs 21/2 times her weekly allowance		number of carousels that always counterclockwise?
she spends $\frac{3}{4}$ of her allowance on oth	ner d) A ran	dom survey identified 75 carouse
things, how long will she take to sav money for the DVD player?	e the that a many	lways turned clockwise. How carousels do you think were led in the survey? Explain.
 Airports around the world have care for the luggage of arriving passenger 		- Jack
About $\frac{3}{10}$ of the carousels always tu	rn T	
clockwise. About $\frac{9}{20}$ of the carousels		- de
always turn counterclockwise. The r the carousels may turn either way.	est of	11 10
a) Of every 100 carousels, how man always turn counterclockwise?	у	1
b) Of every 100 carousels, how man	v may	
turn either way?	,,	
turn either way?		200120111100011100011
		Fraction of the Boreal Plains
turn either way? Wrap	Province/Territory	Fraction of the Boreal Plains Ecozone in the Province/Territory
turn either way? Wrap It Up! Most of the Boreal Plains ecozone is covered by woods and forests. The total area of the Boreal Plains ecozone is about		
turn either way? Wrap	Province/Territory	Ecozone in the Province/Territory 13 25 1
Wrap It Up! Most of the Boreal Plains ecozone is covered by woods and forests. The total area of the Boreal Plains ecozone is about 750 000 km², including both land and fresh water. The table shows the approximate fraction of this ecozone found in different	Province/Territory Alberta British Columbia	Ecozone in the Province/Territory $\frac{13}{25}$ $\frac{1}{20}$
Wrap It Up! Most of the Boreal Plains ecozone is covered by woods and forests. The total area of the Boreal Plains ecozone is about 750 000 km², including both land and fresh water. The table shows the approximate	Province/Territory Alberta	Ecozone in the Province/Territory $\frac{13}{25}$ $\frac{1}{20}$ $\frac{1}{100}$
Wrap It Up! Most of the Boreal Plains ecozone is covered by woods and forests. The total area of the Boreal Plains ecozone is about 750 000 km², including both land and fresh water. The table shows the approximate fraction of this ecozone found in different locations. a) Using the information given above,	Province/Territory Alberta British Columbia	Ecoxone in the Province/Territory 13 25 1 20 17
Urap It Up! Most of the Boreal Plains ecozone is covered by woods and forests. The total area of the Boreal Plains ecozone is about 750 000 km², including both land and fresh water. The table shows the approximate fraction of this ecozone found in different locations. a) Using the information given above, develop three original word problems that can be answered using division or	Province/Territory Alberta British Columbia Manitoba	Ecozone in the Province/Territory $\frac{13}{25}$ $\frac{1}{25}$ $\frac{1}{20}$ $\frac{17}{100}$ $\frac{17}{30}$ $\frac{1}{50}$ $\frac{1}{6}$
Wrap It Up! Most of the Boreal Plains ecozone is covered by woods and forests. The total area of the Boreal Plains ecozone is about 750 000 km², including both land and fresh water. The table shows the approximate fraction of this ecozone found in different locations. a) Using the information given above, develop three original word problems that can be answered using division or multiplication of fractions, include at	Province/Territory Alberta British Columbia Manitoba Northwest Territories Saskatchewan	Ecozone in the Province/Territory $ \frac{13}{25} $ $ \frac{1}{20} $ $ \frac{1}{20} $ $ \frac{17}{100} $ $ \frac{1}{50} $
Wrap It Up! Most of the Boreal Plains ecozone is covered by woods and forests. The total area of the Boreal Plains ecozone is about 750 000 km², including both land and fresh water. The table shows the approximate fraction of this ecozone found in different locations. a) Using the information given above, develop three original word problems that can be answered using division or multiplication of fractions, include at least one division question and one multiplication of directions and one multiplication of section and one multiplication of multiplication of sections.	Province/Territory Alberta British Columbia Manitoba Northwest Territories Saskatchewan	Ecozone in the Prevince/Territory 13 25
Wrap It Up! Most of the Boreal Plains ecozone is covered by woods and forests. The total area of the Boreal Plains ecozone is about 750 000 km², including both land and fresh water. The table shows the approximate fraction of this ecozone found in different locations. a) Using the information given above, develop three original word problems that can be answered using division or multiplication of fractions, include at	Province/Territory Alberta British Columbia Manitoba Northwest Territories Saskarchewan Biplication ons on a	Ecozone in the Province/Territory $\frac{13}{25}$ $\frac{1}{25}$ $\frac{1}{20}$ $\frac{17}{100}$ $\frac{17}{30}$ $\frac{1}{50}$ $\frac{1}{6}$

MathLinks 8, pages 238-239

Suggested Timing

40-50 minutes

Blackline Masters

BLM 6–21 Chapter 6 Test

Planning Notes

Allow time for students to clarify any misunderstandings before beginning the practice test. Have students start the practice test by writing the question numbers in their notebooks. Have them indicate questions with which they need a little help, a lot of help, or no help. Have students first complete the questions they know they can do, followed by those they know something about. Finally, have students do their best on the questions that they are struggling with.

This practice test can be assigned as an in-class or take-home assignment. Provide students with the number of questions they can comfortably do in one class. These are the minimum questions that will meet the related curriculum outcomes: #1, #7, #8, #10–#13, and #15.

Study Guide

Question(s)	Section(s)	Refer to	The student can
1	6.1	Example 3	✓ multiply a fraction and a whole number
2, 3	6.2	Examples 1, 2 Example 3	✓ divide a fraction by a whole number ✓ solve problems involving the division of fractions by whole numbers
4, 9	6.6	Example 1	✓ apply the order of operations to solve problems involving fractions
5, 6, 7, 9	6.5	Example 2	✓ divide two fractions or mixed numbers
8, 9	6.4	Example 2	✓ multiply two improper fractions or mixed numbers
9	6.3	Example 3	✓ multiply two proper fractions
10, 11	6.1	Example 3	✓ solve problems involving the multiplication of a fraction and a whole number
12	6.6	Example 2	✓ decide when to multiply fractions and when to divide fractions in solving problems
13, 14	6.4	Examples 2	✓ solve problems involving the multiplication of improper fractions or mixed numbers
15	6.6	Examples 1, 2	✓ decide when to multiply fractions and when to divide fractions in solving problems ✓ apply the order of operations to solve problems involving fractions

Answers

Chapter 6 Practice Test

1. D **2.** C **3.** B **4.** C **5.** A

7. $\frac{4}{7}$

9. a)
$$\frac{5}{16}$$
 b) $1\frac{5}{7}$ c) $1\frac{7}{20}$ d) $\frac{9}{25}$ e) 0

11.a) $\frac{3}{28}$ **b)** 39

12. 128

13. 875

14. 10 weeks

15. a) 45 b) 25 c) $1\frac{1}{2}$ d) 250; $\frac{3}{10} \times 250 = 75$

Assessment	Supporting Learning			
Assessment as Learning				
Chapter 6 Self-Assessment Have students review their earlier responses in the What I Need to Work On sections of their chapter Foldable.	 Before completing the Chapter 6 Practice Test, ask students to complete the What I Learned column from the KWL chart they started at the beginning of the chapter. Discuss how students might now answer their questions in the What I Want to Know column and which ones still need to be answered. Have students use their responses on the practice test and work they completed earlier in the chapter to identify areas in which they may need to reinforce their understanding of skills or concepts. Before the chapter test, coach them in the areas in which they are having difficulties. 			
Assessment of Learning				
Chapter 6 Test After students complete the practice test, you may wish to use BLM 6–21 Chapter 6 Test as a summative assessment.	 Consider allowing students to use their chapter Foldable. Consider using the Math Games on page 240 or the Challenge in Real Life on page 241 to assess the knowledge and skills of students who have difficulty with tests. 			