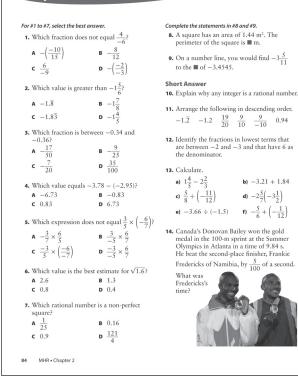
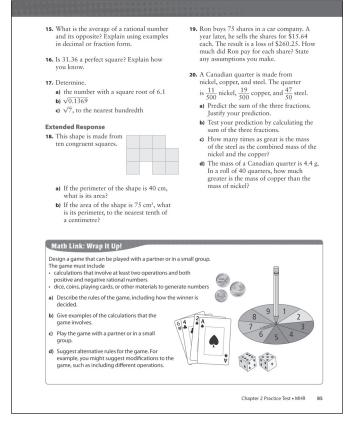
Practice Test

Chapter 2 Practice Test





MathLinks 9, pages 84-85

Suggested Timing

40–50 minutes

Materials

- ruler
- grid paper
- calculator
-

Blackline Masters

Master 4 Number Lines Master 8 Centimetre Grid Paper Master 9 0.5 Centimetre Grid Paper BLM 2–13 Chapter 2 Test

Planning Notes

Have students start the practice test by writing the question numbers in their notebook. Have them indicate which questions they need a little help with, a lot of help with, or no help with. Have students first complete the questions they know they can do. Then, have them complete the questions they know something about. Finally, have students do their best on the questions that they still need coaching 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: #3-9, 11, and 13–17.

Study Guide

Question(s)	Section(s)	Refer to	The student can
#1, 2, 10	2.1	Explore Example 2	\checkmark compare and order rational numbers
#3, 12	2.1	Example 3	\checkmark identify a rational number between two given rational numbers
#4, 13	2.2	Example 1	\checkmark perform operations on rational numbers in decimal form
#5, 13	2.3	Example 2	\checkmark perform operations on rational numbers in fraction form
#6, 17, 18	2.4	Example 4	\checkmark determine an approximate square root of a non-perfect square rational number
#7	2.4	Example 2	\checkmark determine an approximate square root of a non-perfect square rational number
#8, 16, 17	2.4	Example 3	\checkmark determine the square root of a perfect square rational number
#9, 11	2.1	Example 1	\checkmark compare and order rational numbers
#14, 15, 18, 19, 20	2.2	Example 3	\checkmark solve problems involving rational numbers in decimal form
#14, 15, 20	2.3	Example 3	\checkmark solve problems involving rational numbers in fraction form
#17	2.4	Example 1	\checkmark determine the square root of a perfect square rational number

Answers

Chapter 2 Practice Test

1. A **2.** D **3.** C **4.** B **5.** D **6.** B **7.** C **8.** 4.8 **9.** Left

10. Example: Any integer can be written as a quotient of two integers by making the integer the dividend and the number 1 the divisor.

11.
$$\frac{19}{20}$$
, 0.94, $\frac{9}{10}$, $\frac{9}{-10}$, -1.2, -1. $\overline{2}$
12. $-2\frac{1}{6}$, $-2\frac{5}{6}$
13. a) $\frac{-13}{15}$ b) -1.37 c) $-\frac{15}{22}$ d) $9\frac{1}{2}$ e) 2.44 f) $-\frac{11}{12}$
14. 9.89 s

15. 0. Example: $[1.2 + (-1.2)] \div 2 = 0$

16. Yes. Example: Both 3136 and 100 are perfect squares.

17. a) 37.21 b) 0.37 c) 2.65

18. a) 62.5 cm² b) 43.8 cm

19. \$19.11. Assume that all shares are the same price.

- **20.** a) 1. Example: The sum must be 1 because no other elements make up a quarter's content.
 - **b)** 1
 - c) 15.6 times as great
 - **d)** 2.816 g greater

Assessment	Supporting Learning			
Assessment <i>as</i> Learning				
Chapter 2 Self-Assessment Have students review their earlier responses in the What I Need to Work On section of their Foldable.	• 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 <i>of</i> Learning				
Chapter 2 Test After students complete the practice test, you may wish to use BLM 2–13 Chapter 2 Test as a summative assessment.	 Consider allowing students to use their Foldable. Provide students who need them with copies of Master 4 Number Lines, Master 8 Centimetre Grid Paper, and Master 9 0.5 Centimetre Grid Paper to use as they work on the questions. Since the Wrap It Up! and Challenges provide additional reinforcement of chapter content, you may wish to have students complete these activities before doing the Chapter 2 Practice Test and BLM 2-13 Chapter 2 Test. Consider using the Challenges to assess the knowledge and skills of students who have difficulty with tests. 			