

Directions for Students and Parents Logging onto the HOLT website <http://my.hrw.com>

*You will need a user name and password.

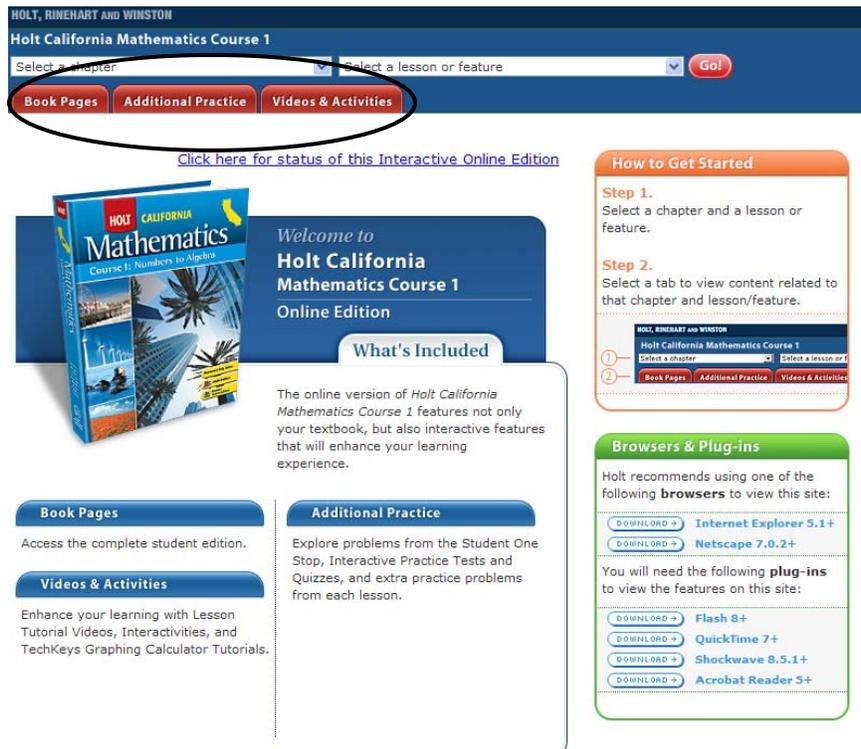
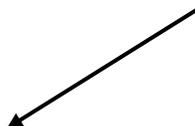
Go to my.hrw.com (do not type www.).

Type in your user name and password.
Click on "Log In"

Choose "Go to the Online Textbook".



There are three tabs you can go to:
Book Pages
Additional Practice
Videos & Activities



Book Pages

Select a Chapter and a Lesson or Feature.
Then click "Go".

5-4 Exercises

GUIDED PRACTICE
Use cross products to solve each proportion.

1. $\frac{6}{10} = \frac{26}{x}$ 2. $\frac{4}{7} = \frac{5}{p}$ 3. $\frac{12.3}{m} = \frac{75}{100}$ 4. $\frac{f}{42} = \frac{1.5}{3}$

5. The graph shows the time and distance that a horse ran around a track. If the horse runs at that same speed, how long will it take the horse to run 1.5 miles?

6. A stack of 2,450 one-dollar bills weighs 5 pounds. How much does a stack of 1,470 one-dollar bills weigh?

INDEPENDENT PRACTICE
Use cross products to solve each proportion.

7. $\frac{4}{36} = \frac{x}{180}$ 8. $\frac{7}{84} = \frac{12}{y}$ 9. $\frac{3}{4} = \frac{r}{52}$ 10. $\frac{5}{140} = \frac{12}{p}$

11. $\frac{45}{x} = \frac{15}{3}$ 12. $\frac{t}{6} = \frac{96}{16}$ 13. $\frac{2}{5} = \frac{s}{12}$ 14. $\frac{14}{n} = \frac{5}{8}$

15. The graph shows the relationship between the weight and cost of peaches at a grocery store. At this rate, how much would 3.5 pounds of peaches cost?

16. There are 18.5 ounces of soup in a can. This is equivalent to 524 grams. If Jenna has 8 ounces of soup, how many grams does she have? Round to the nearest whole gram.

PRACTICE AND PROBLEM SOLVING
Solve each proportion. Then find another equivalent ratio.

17. $\frac{4}{h} = \frac{12}{24}$ 18. $\frac{5}{15} = \frac{12}{90}$ 19. $\frac{39}{4} = \frac{r}{12}$ 20. $\frac{5.5}{6} = \frac{16.5}{w}$

21. $\frac{1}{3} = \frac{p}{25.5}$ 22. $\frac{18}{x} = \frac{1}{5}$ 23. $\frac{m}{4} = \frac{175}{20}$ 24. $\frac{8.7}{2} = \frac{q}{4}$

25. Sandra drove 126.2 miles in 2 hours at a constant speed. Use a proportion to find how long it would take her to drive 189.3 miles at the same speed.

26. **Multi-Step** In June, a camp has 325 campers and 26 counselors. In July, 265 campers leave and 215 new campers arrive. How many counselors does the camp need in July to keep an equivalent ratio of campers to counselors?

Enlarged Book Page – (coming soon) View book in Spanish or English.

Lesson Tutorial Videos – See examples of problems taught by Prof. Burger.

Homework Help – Shows the same problems from the Exercises page with direct links to the tutorial videos and to online practice.

Interactivity – Demonstrates a skill and has the student interact with this demonstration.

Interactive Practice Quiz – Students are able to take a quiz online to assess their knowledge of the skills for that lesson.

Multilingual Glossary – A definition and an example are given for the vocabulary words. The definition can be viewed in 12 different languages.

Additional Resources – Parent Resources include: Section Overview, Family Involvement Activities, It's In the Bag Activities, Game Time Activities, and the Multilingual Glossary.

Answers to the Odd Numbered Questions in the Student Book

Scroll to "Student Handbook" in the first box.

Scroll to "Selected Answers" in the second box.

Use the Next button to go to the chapter and lesson being worked on.

4-5 Exercises

1. 18 3. $\frac{3}{8}$ 5. $\frac{1}{4}$ 7. 2 9. 3 capes

11. 18 13. $\frac{15}{8}$ 15. $\frac{1}{27}$ 17. 40

19. $\frac{5}{14}$ 21. 14 23. $12\frac{4}{7}$ 25. $9\frac{3}{5}$

27. 6 pieces 29. $5\frac{2}{5}$ 31. 2 33. $\frac{8}{147}$

35. $\frac{16}{25}$ 37. $\frac{18}{25}$ 39. $10\frac{1}{4}$ 41. $\frac{1}{3}$

43. 1 45. 87 hamburger patties

47. 42 side pieces 49. $11\frac{3}{4}$ hours

53. B 55. 30 57. 36 59. $\frac{1}{12}$

61. $3\frac{15}{28}$

4-6 Exercises

1. $a = \frac{3}{4}$ 3. $p = \frac{1}{2}$ 5. $r = \frac{9}{10}$

7. $\frac{1}{8}c$ 9. $t = \frac{5}{8}$ 11. $x = 2\frac{5}{24}$

13. $y = \frac{7}{60}$ 15. $w = \frac{1}{3}$ 17. $z = \frac{1}{12}$

19. $n = \frac{123}{25}$ 21. $t = \frac{1}{4}$ 23. $w = 6$

25. $x = \frac{3}{5}$ 27. $n = 2\frac{2}{3}$ 29. $y = \frac{1}{2}$

31. $r = \frac{1}{2}$ 33. $b = \frac{5}{3}$ 35. $u = \frac{3}{2}$

4-9 Exercises

1. kilograms 3. centimeters

5. 12,000 g 7. 0.07 cm 9. Monday

11. milligrams 13. centimeters

15. 0.0014 km 17. 3,550 mm

19. 199.5 cm 21. 2,050,000 L

23. 0.37 cm 25. = 27. < 29. <

31. Mona Lisa: 4 cm 33. 1,200 mm:

130 cm: 1.5 m 35. 0.0008 kg:

1,000 mg: 9.03 g 37. Red Bat

39. 1 kg 43. C 45. 4: Distributive Property 47. 3: Associative Property 49. $\frac{1}{2}$ 51. $\frac{1}{6}$

4-10 Exercises

1. $w = 7$ 3. $k = 24.09$ 5. $b = 5.04$

7. $t = 9$ 9. \$4.25 11. $c = 44.56$

13. $a = 5.08$ 15. $p = 53.21$

17. $z = 16$ 19. $w = 11.76$

57. -18.81 58. 4.5 59. -1.09

60. -15.4 61. -500 62. 2 63. 4

64. 18,000 mL 65. 0.72 g

66. 5,300 m 67. 6 mm

68. $x = 10.44$ 69. $s = 107$

70. $n = 0.007$ 71. $k = 8.64$

72. $e = 5.05$ 73. $w = -3.08$

Chapter 5

5-1 Exercises

1. $\frac{10}{3}$, 10 to 3, 10:3 3. $\frac{3}{4}$ or 3 to 1 or 3:1 5. $\frac{25}{30}$, 25 to 30, 25:30, or $\frac{5}{6}$, 5 to 6, 5:6 7. $\frac{30}{15}$, 30 to 15, 30:15, or $\frac{2}{1}$, 2 to 1, 2:1 9. $\frac{4}{4}$ or 4 to 1 or 4:1

11. group 1 13. The ratio is greater than $\frac{1}{2}$ for all three groups.

Additional Practice

Chapter Resources
Resources for the whole chapter.

Lesson Resources
Resources for the specific lesson.
Click on the + sign next to the lesson to open up the resources.

Chapter 5: Proportional Relationships

Chapter Resources

Chapter 5: Proportional Relationships

Student Resources

- Interactive Practice Test
- Extra Practice
- Know-It Notebook

Intervention and Enrichment

- Are You Ready? Intervention and Enrichment
- Ready to Go On? Intervention and Enrichment

Internet Resources

- Multilingual Glossary Online
- Chapter Project Online
- Lab Resources Online
- Career Resources Online

Lesson Resources

- + Lesson 1: Ratios
- + Lesson 2: Rates
- + Lesson 3: Identifying and Writing Proportions
- + Lesson 4: Solving Proportions

Lesson 4: Solving Proportions

Student Resources

- Interactive Practice Quiz
- Practice B
- Know-It Notebook

Internet Resources

- Homework Help Online

Intervention and Enrichment

- Ready to Go On? Intervention and Enrichment

+ Lesson 5: Customary Measurements

+ Lesson 6: Similar Figures and Proportions

+ Lesson 7: Using Similar Figures

+ Lesson 8: Scale Drawings and Scale Models

Interactive Practice Quiz –

This is the same quiz on the Book Pages tab.

Practice B – This is a copy of the practice page in the homework book.

Know-It Notebook – These pages are designed for note taking when working through problems.

Homework Help Online – This is the same help as on the Book Pages tab.

Ready to Go On? Intervention & Enrichment – This contains extra practice for students who need more practice and for those students who may need more challenging work.

Interactive Practice Test – This test covers the skills for the whole chapter.

Extra Practice – These are the same pages in the green section at the back of the book.

Know-It Notebook - These pages are designed for note taking when working through problems.

Are You Ready? Intervention and Enrichment and Ready to Go On? Intervention - These contain extra practice for students who need more practice and for those students who may need more challenging work.

Multilingual Glossary Online – This is the same as on the Book Pages tab.

Chapter Project Online – Contains an activity project for the chapter.

Lab Resources Online – These are the same as the Lab pages in the book.

Career Resources Online – Websites that contain information regarding possible career choices (description of job, education required, job outlook in the future, etc.)

Videos and Activities

Chapter 5: Proportional Relationships

Lesson Tutorial Videos

Holt authors explain every example in the Student Edition.

Lesson 5-1: Example 1

Lesson 5-1: Example 2

Lesson 5-1: Example 3

Lesson 5-2: Example 1

Lesson 5-2: Example 2

Lesson 5-2: Example 3

Lesson 5-3: Example 1

Lesson 5-3: Example 2

Lesson 5-3: Example 3

Lesson 5-4: Example 1

Lesson 5-4: Example 2

Lesson 5-4: Example 3

Lesson 5-5: Example 1

Lesson 5-5: Example 2

Lesson 5-5: Example 3

Lesson 5-6: Example 1

Lesson 5-6: Example 2

Lesson 5-7: Example 1

Lesson 5-7: Example 2

Lesson 5-7: Example 3

Lesson 5-8: Example 1

Lesson 5-8: Example 2

Lesson 5-8: Example 3

Interactivities

Interactive tutorials explore key concepts and skills.

Lesson 5-2: Ratios and Rates

Lesson 5-4: Solving Proportions

Lesson 5-7: Using Similar Figures

Lesson 5-8: Scale Factors

Tools

Holt's online math tools include virtual algebra tiles and a graphing calculator.

Algebra Tiles

Fraction/Decimal Grids

Fraction Bars

Graphing Calculator

Integer Chips

Scientific Calculator

Statistics Calculator

Multilingual Glossary

Interactivities –
These tutorials explain how to solve a problem. Students have to type in answers to the problems during the tutorial.

Tools – These are interactive manipulatives that students can use with their homework.

Lesson Tutorial Videos – See examples of problems taught by Prof. Burger. Select the Chapter, Lesson, and Example.