

Name:		Date:	
Topic	Multiplying and Dividing Fractions - Answers		
Notes	✓ Multiplying fractions: multiply the top numbers and multiply the bottom numbers. ✓ Dividing fractions: Keep, Change, Flip Keep first fraction, change division sign to multiplication, and flip the numerator and denominator of the second fraction. Then, solve!		
Examples	<i>Multiply.</i> $\frac{2}{5} \times \frac{3}{4} =$ Multiply the top numbers and multiply the bottom numbers. $\frac{2}{5} \times \frac{3}{4} = \frac{2 \times 3}{5 \times 4} = \frac{6}{20}$, simplify: $\frac{6}{20} = \frac{6 \div 2}{20 \div 2} = \frac{3}{10}$ <i>Divide.</i> $\frac{2}{5} \div \frac{3}{4} =$ Keep first fraction, change division sign to multiplication, and flip the numerator and denominator of the second fraction. Then: $\frac{2}{5} \div \frac{3}{4} = \frac{2}{5} \times \frac{4}{3} = \frac{2 \times 4}{5 \times 3} = \frac{8}{15}$		
Your Turn!	1) $\frac{5}{9} \times \frac{4}{7} = \frac{20}{63}$	2) $\frac{3}{5} \div \frac{2}{3} = \frac{9}{10}$	
	3) $\frac{2}{7} \times \frac{3}{8} = \frac{6}{56}$	4) $\frac{2}{5} \div \frac{7}{12} = \frac{24}{35}$	
	5) $\frac{1}{7} \times \frac{4}{9} = \frac{4}{63}$	6) $\frac{2}{9} \div \frac{3}{7} = \frac{14}{27}$	
	7) $\frac{2}{5} \times \frac{6}{7} = \frac{12}{35}$	8) $\frac{1}{4} \div \frac{2}{5} = \frac{5}{8}$	

Praxis Study Guide For Math

A Gutmann



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Table of Contents Praxis Study Guide For Math

1. Understanding the eBook Praxis Study Guide For Math
 - The Rise of Digital Reading Praxis Study Guide For Math
 - Advantages of eBooks Over Traditional Books
2. Identifying Praxis Study Guide For Math
 - Exploring Different Genres
 - Considering Fiction vs. Non-Fiction
 - Determining Your Reading Goals
3. Choosing the Right eBook Platform
 - Popular eBook Platforms
 - Features to Look for in an Praxis Study Guide For Math
 - User-Friendly Interface
4. Exploring eBook Recommendations from Praxis Study Guide For Math
 - Personalized Recommendations
 - Praxis Study Guide For Math User Reviews and Ratings
 - Praxis Study Guide For Math and Bestseller Lists
5. Accessing Praxis Study Guide For Math Free and Paid eBooks
 - Praxis Study Guide For Math Public Domain eBooks
 - Praxis Study Guide For Math eBook Subscription Services
 - Praxis Study Guide For Math Budget-Friendly Options
6. Navigating Praxis Study Guide For Math eBook Formats

- ePub, PDF, MOBI, and More
- Praxis Study Guide For Math Compatibility with Devices
- Praxis Study Guide For Math Enhanced eBook Features
- 7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Praxis Study Guide For Math
 - Highlighting and Note-Taking Praxis Study Guide For Math
 - Interactive Elements Praxis Study Guide For Math
- 8. Staying Engaged with Praxis Study Guide For Math
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Praxis Study Guide For Math
- 9. Balancing eBooks and Physical Books Praxis Study Guide For Math
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Praxis Study Guide For Math
- 10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
- 11. Cultivating a Reading Routine Praxis Study Guide For Math
 - Setting Reading Goals Praxis Study Guide For Math
 - Carving Out Dedicated Reading Time
- 12. Sourcing Reliable Information of Praxis Study Guide For Math
 - Fact-Checking eBook Content of Praxis Study Guide For Math
 - Distinguishing Credible Sources
- 13. Promoting Lifelong Learning
 - Utilizing eBooks for Skill Development
 - Exploring Educational eBooks
- 14. Embracing eBook Trends
 - Integration of Multimedia Elements
 - Interactive and Gamified eBooks

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