

Practice 5-4

Multiplying and Dividing Fractions

Find each quotient.

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|--|---|
| 1. $\frac{1}{2} \div \frac{5}{8}$ _____ | 2. $-\frac{5}{24} \div \frac{7}{12}$ _____ |
| 3. $\frac{3}{8} \div \frac{6}{7}$ _____ | 4. $\frac{15}{19} \div \frac{15}{19}$ _____ |
| 5. $8 \div \frac{4}{5}$ _____ | 6. $6\frac{1}{4} \div 2\frac{1}{2}$ _____ |
| 7. $5\frac{5}{8} \div 1\frac{1}{4}$ _____ | 8. $2\frac{1}{3} \div \frac{7}{10}$ _____ |
| 9. $\frac{6}{35t} \div \frac{3}{7t}$ _____ | 10. $1\frac{3}{7} \div (-2\frac{1}{7})$ _____ |

Find each product.

- | | |
|---|--|
| 11. $\frac{2}{5} \cdot \frac{3}{7}$ _____ | 12. $\frac{5}{9} \cdot \frac{3}{5}$ _____ |
| 13. $\frac{7}{9} \cdot \frac{6}{13}$ _____ | 14. $\frac{5}{6} \cdot (-1\frac{3}{10})$ _____ |
| 15. $-4\frac{2}{3}(-5\frac{1}{6})$ _____ | 16. $2\frac{5}{6}(-\frac{2}{5})$ _____ |
| 17. $4\frac{7}{8} \cdot 6$ _____ | 18. $\frac{5x}{7} \cdot \frac{3}{10}$ _____ |
| 19. $\frac{9a}{10} \cdot \frac{5}{12a}$ _____ | 20. $\frac{9t}{16} \cdot \frac{12}{17}$ _____ |

21. You are making cookies for a bake sale. The recipe calls for $2\frac{3}{4}$ cups of flour. How much flour will you need if you triple the recipe?

22. It took you 1 hour to read $1\frac{3}{8}$ chapters of a novel. At this rate, how many chapters can you read in three hours?

23. A teacher wants to tape sheets of paper together to make a science banner. He wants the banner to be $127\frac{1}{2}$ inches long, and each sheet of paper is $8\frac{1}{2}$ inches wide. How many sheets of paper will he need?

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