

Write and solve an equation. (Example 4)

8. A piece of licorice is to be cut into 10 equal-size pieces. If the length of the piece of licorice is $\frac{2}{3}$ yard, how long will each piece of licorice be?



Standardized Test Practice

15. In cooking, 1 drop is equal to $\frac{1}{6}$ of a dash. If a recipe calls for $\frac{2}{3}$ of a dash, which expression would give the number of drops that are needed?

(A) $\frac{1}{6} + \frac{2}{3}$ (B) $\frac{1}{6} \times \frac{2}{3}$ (C) $\frac{1}{6} - \frac{2}{3}$ (D) $\frac{2}{3} \div \frac{1}{6}$

19. $\frac{2}{7} \div 2 =$ _____

20. $\frac{1}{5} \div \frac{5}{7} =$ _____

21. $\frac{1}{4} \div \frac{3}{5} =$ _____

22. Write a story context for $\frac{1}{4} \div \frac{1}{8}$. Use a model to solve.

Write and solve an equation.

23. A relay race is $\frac{1}{10}$ kilometer long. Four athletes will run an equal distance to complete the relay. How far does each athlete run?

24. Jalisa is using $\frac{5}{6}$ yard of ribbon to make bows for her party favors. Jalisa needs to make 6 bows. What is the length of the ribbon used for each bow?

25. Reaner Recycling shreds $\frac{7}{8}$ ton of aluminum each day. The machines can shred $\frac{1}{24}$ ton aluminum per cycle. How many cycles will be needed to shred the aluminum?



Divide Fractions

Guided Practice

Divide. Write in simplest form. Check by multiplying. (Examples 1 and 3)

1. $\frac{1}{4} \div \frac{1}{2} =$ _____

2. $\frac{5}{6} \div \frac{2}{3} =$ _____

3. $\frac{1}{8} \div 3 =$ _____

Show your work.

4. Write a story context for $\frac{2}{3} \div \frac{5}{6}$. Use a model to solve. (Example 2)
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5. A neighborhood garden that is $\frac{2}{3}$ of an acre is to be divided into 4 equal-size sections. Write and solve an equation to find the size of each section. (Example 4)
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Independent Practice

Divide. Write in simplest form. Check by multiplying. (Examples 1 and 3)

1. $\frac{1}{8} \div \frac{1}{2} =$ _____

2. $\frac{3}{4} \div \frac{2}{3} =$ _____

3. $\frac{3}{4} \div 9 =$ _____

Show your work.

4. $\frac{1}{6} \div \frac{4}{7} =$ _____

5. $\frac{1}{3} \div 8 =$ _____

6. $\frac{1}{3} \div \frac{5}{6} =$ _____

7. Write a story context for $\frac{5}{6} \div \frac{1}{12}$. Use a model to solve. (Example 2)
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