

HOMWORK

8.5 Worksheet

Find the quotient.

1. $\frac{5}{6} \div \frac{8}{9}$ _____

2. $\frac{5}{9} \div \frac{7}{9}$ _____

3. $\frac{4}{13} \div \frac{8}{13}$ _____

4. $\frac{4}{15} \div \frac{9}{10}$ _____

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

6. $\frac{5}{6} \div \frac{5}{18}$ _____

7. $\frac{5}{12} \div \frac{1}{6}$ _____

8. $\frac{4}{5} \div \frac{1}{4}$ _____

9. $\frac{21}{25} \div \frac{7}{25}$ _____

Problem Solving

10. A new park is built with a $\frac{3}{4}$ -mile trail around a lake. The city wants to include a bench every $\frac{1}{8}$ of a mile. How many benches are needed?

11. Penny divides $\frac{2}{3}$ by the fraction $\frac{a}{b}$. The result is $\frac{8}{9}$. What is $\frac{a}{b}$? Show how you know. Do you know the values of a and b ? Explain.

Write About It

12. Explain how to divide a fraction by a fraction using multiplication.

