

Name:		Rotation:
Find the equivalent for the fraction/decimal/percent.		#16
Fractions	Decimal	Percent
$\frac{5}{8}$ <p>Fractions can be _____ problems.</p>		
	0.48 <p>To change a decimal to a %, you _____ by 100.</p>	
		0.05% <p>Percent mean "per _____"</p>
Use lined paper to calculate the following questions, if needed.		
Calculate the product of $4\frac{1}{2}$ and 9.	What is the GCF and the LCM of 32 and 56?	What do you call two numbers that only have the number 1 as a common factor?
Find the quotient of 151.8 and 0.003	When we divide fractions, we multiply by the reciprocal.	Find the quotient of 5 and $3\frac{1}{3}$

Lesson 7 Reteach

Divide Fractions

You can use reciprocals to divide fractions. To divide by a fraction, multiply by its reciprocal.

Example 1

Find $\frac{1}{2} \div \frac{1}{5}$.

$$\begin{aligned}\frac{1}{2} \div \frac{1}{5} &= \frac{1}{2} \times \frac{5}{1} \\ &= \frac{5}{2} \text{ or } 2\frac{1}{2}\end{aligned}$$

Multiply by the reciprocal, $\frac{5}{1}$.

Multiply numerators and denominators.

Example 2

Find $\frac{2}{3} \div \frac{4}{5}$.

$$\begin{aligned}\frac{2}{3} \div \frac{4}{5} &= \frac{2}{3} \times \frac{5}{4} \\ &= \frac{\cancel{2} \times 5}{3 \times \cancel{4}_2} \\ &= \frac{5}{6}\end{aligned}$$

Multiply by the reciprocal, $\frac{5}{4}$.

Divide 2 and 4 by the GCF, 2.

Multiply numerators and denominators.

Exercises

Divide. Write in simplest form.

1. $\frac{1}{3} \div \frac{2}{5}$

2. $\frac{1}{9} \div \frac{1}{2}$

3. $\frac{2}{3} \div \frac{1}{4}$

4. $\frac{1}{2} \div \frac{3}{4}$

5. $\frac{4}{5} \div \frac{1}{2}$

6. $\frac{4}{5} \div \frac{1}{10}$

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

8. $\frac{9}{10} \div \frac{1}{3}$

9. $\frac{3}{4} \div \frac{7}{12}$

10. $\frac{9}{10} \div \frac{1}{9}$

11. $\frac{2}{3} \div \frac{5}{8}$

12. $\frac{3}{4} \div \frac{7}{9}$

13. $\frac{1}{2} \div 2$

14. $\frac{5}{6} \div 15$

15. $\frac{3}{8} \div \frac{3}{4}$

16. $\frac{7}{10} \div \frac{5}{7}$