

Dividing Fractions Using Reciprocals

Name: _____

Date: _____

Remember: To divide by a fraction, multiply by its reciprocal.

The reciprocal of a fraction is found by flipping it. For example: the reciprocal of $\frac{2}{3}$ is $\frac{3}{2}$

Part A: Find the Reciprocal

1. $\frac{3}{4} \rightarrow$ _____

2. $\frac{5}{8} \rightarrow$ _____

3. $\frac{2}{9} \rightarrow$ _____

4. $\frac{7}{3} \rightarrow$ _____

5. $\frac{4}{5} \rightarrow$ _____

6. $\frac{9}{2} \rightarrow$ _____

Part B: Divide the Fractions

Show your working. Write your answer in simplest form.

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

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

3. $\frac{5}{6} \div \frac{5}{12} =$ _____

4. $\frac{2}{5} \div \frac{3}{10} =$ _____

5. $\frac{7}{8} \div \frac{1}{4} =$ _____

6. $\frac{4}{9} \div \frac{8}{3} =$ _____

Part C: Challenge Problems

These problems involve mixed numbers. Convert to improper fractions first!

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

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

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