Dividing Fractions

Procedure:

1. **Make sure the fractions are proper or improper.**
2. **Invert the divisor.**
3. **Cancel, if possible.**
4. **Multiply numerators.**
5. **Multiply denominators.**
6. **Simplify.**

Example:

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

$$\frac{8}{3} \div \frac{1}{4} = \frac{8}{3} \times \frac{4}{1}$$

$$= \frac{32}{3}$$

$$= 10\frac{2}{3}$$

Divide the following fractions.

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

2. $\frac{4}{9} \div \frac{2}{7}$

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

4. $\frac{3}{5} \div \frac{4}{9}$

5. $2\frac{1}{4} \div \frac{1}{6}$

6. $\frac{3}{7} \div \frac{3}{10}$

7. $4\frac{1}{6} \div \frac{5}{6}$

8. $\frac{7}{8} \div \frac{1}{9}$

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

10. $\frac{10}{21} \div \frac{1}{3}$

11. $3\frac{1}{2} \div \frac{3}{4}$

12. $\frac{7}{10} \div \frac{4}{15}$

13. $2\frac{4}{7} \div \frac{9}{11}$

14. $3\frac{1}{5} \div 2\frac{1}{2}$

15. $4\frac{2}{3} \div 1\frac{3}{4}$

Division of Fractions

Procedure

1. **Make sure you have fractions**
2. **Invert the divisor (2nd number)**
3. **Cancel, if possible**
4. **Multiply numerators**
5. **Multiply denominators**
6. **Simplify**

1. $\frac{8}{12} \div \frac{7}{8}$
2. $\frac{4}{5} \div \frac{1}{4} =$
3. $\frac{3}{4} \div \frac{4}{5} =$
4. $\frac{1}{2} \div \frac{2}{3} =$
5. $\frac{2}{7} \div \frac{5}{9} =$
6. $\frac{1}{10} \div \frac{5}{6}$
7. $\frac{2}{3} \div \frac{3}{9} =$
8. $\frac{1}{2} \div \frac{5}{8} =$
9. $\frac{2}{4} \div \frac{2}{5} =$
10. $\frac{5}{7} \div \frac{3}{7} =$